5	SEQUENCE LENGTH: 205 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS01321	
10	SEQUENCE DESCRIPTION: GATCAGTGCT CTCTATTGAT GTTCTTGCTG GTCTCCAGNC ACATTCCTGT TGCATTAAGN 6 CTTGAAAGAC TTGTAGATGT GTGATGTTCA GGCACAGGAT GCTGNAAGTA TGTTACTATT 12 CTNAGTTTGT AAATTGTCCT TTTGATACCA TCATCTNGTT TTCTTTTTGT AGGTATAAAT 18 AAAANCACTG TTGNCANTAA GGAAA 20	0
15	SEQ ID NO:1176 SEQUENCE LENGTH:203 SEQUENCE TYPE:nucleic acid	
20	TOPOLOGY:linear CLONE:HUMGS01322 SEQUENCE DESCRIPTION: GATCTCAGCC ATAAAGTGCC AGTTTGCTTA GTTCTCACTG TCTCCTGGTC TGTGCTGCCC 6	_
-	TGCTCTGGGG ATGCACGGCG GCAGGGTGGG GGAGGGAGGT TCCTCGCAGG TCTCAGCCCG 12 GGACAGGGTC TTGCAAGCAG CCTCCTGGGC AGTCGTAAGG GTTGCGGCGT GATGTCTTCA 18 ATAAATTAAG TTTTATTTGG AAA 20	0
25	SEQ ID NO:1177 SEQUENCE LENGTH:203 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01323	
30	SEQUENCE DESCRIPTION: GATCAAAATG AAACAAATAT ACCTTATCCT AAAGAGCTCA TAACAAATAA GTTACCTCCA 6 CTCTATAAAC TCAGACCTAC TTTTTGAAGA TAACTGCTTT TAACCTCTCC TTACAAGATT 12 TTTGTTGTTG ATGTATTTAA TTTTAGCCCA TGTCTCAATT CTCATTTTCA AAGAATCAAT 18	0
	SEQ ID NO:1178 SEQUENCE LENGTH:202	3
40	SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS01324 SEQUENCE DESCRIPTION:	• ^
45	GATCGCTCTT GTGTTTTTGC ACTATTAATT AACTTCAAGT GCAATTTTGG CAGGCAGGCC 6 AAGGGTCTCA ACAGGCTATT TGGAATGAGT TCTCTTTTAA GGCCTTCAAC GTAGTNNGAC 12 ATTTTCAAAT CAAAAAGTAC AGCAGGAGCC AGCCTTTATT TTGTCTGTGT ACACAATAAA 18 ATATTCCGCT TCTATAGGCA AA 20	20 30
50	SEQ ID NO:1179 SEQUENCE LENGTH:211	

	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01325					
5	SEQUENCE DESCRIPTION:					
	GATCAGCTGA AGGTTCATGG	GTTTTAAGTG	CTTGTGGCTC	ACTGAAGCTT	AAGTTAGGAT	60
	TTCNTTGCAA TGAGTAGAAT	TTCCCTTCTT	TCCCTTGTCA	CAGGTTTAAA	AACCTCACAG	120
	CTTGTATAAT GTAACCATTT					
	CAATAAACTG AAAAGAGCCA			•		211
10						
	SEQ ID NO:1180					
	SEQUENCE LENGTH: 199					
	SEQUENCE TYPE: nucleic	acid				
15	TOPOLOGY:linear					
	CLONE: HUMGS01326					
	SEQUENCE DESCRIPTION:					
	GATCCCAGGG TGCAAAGTGG	CATTGAGACA	GCAGCAACAG	CTCAAGAGAT	ATCTCCTGCC	60
	TACTTGCCCC TCCTTCCAGG					
20	CAGGNCCTTG GGTTCTGGGG					
	GCATGTCCCG CCCNNTAAA					199
	SEQ ID NO:1181					
25	SEQUENCE LENGTH: 199					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear			•		
	CLONE: HUMGS01327					
	SEQUENCE DESCRIPTION:					
30	GATCTTTTTT TGGATATTTA					
	CAAGGCTTGT AAATGTTTTG	TCTAATGTTC	TATTGTCACC	TTTTATGCAT	TTATCACTTC	120
	CAAATCTAAC TTTGCACAAG	TAACCCATGT	AAAAAAAAT	GTACATTTTT	CAAAAGTTGT	180
	AAATAAAAAT AACCTTAAA					199
35						
	SEQ ID NO:1182				•	
	SEQUENCE LENGTH: 252					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear					
40	CLONE: HUMGS01328					
	SEQUENCE DESCRIPTION:					
	GATCTGGACA GCTGTCCCTC					60
	ANGAAGGCTG CTTCCAGCTC					
45	ANGACAGCAG AGGAAACTTC					
	TGGTATCTGC ATGTAGANTC	TTCAGCTGGT	GGATGGTGAC	TTTTGAAGTA	CNAAAGGCTT	
	TGGCAACNGN AN		٠			252
50	SEQ ID NO:1183					
JU	SEQUENCE LENGTH: 197					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01329 SEQUENCE DESCRIPTION:	acid				
	GATCTAGGGA GTTACCTAGC					60
	TTCCTTGTCA TTGAGCTATT					-
	ATNACTCTTG TTCATAGAGG	CAAATGAATT	TTGTCCCATG	GAGATTTAAT	TGATATTACT	
10	CTGTGGATGT TGACAAA					197
	SEQ ID NO:1184					
	SEQUENCE LENGTH: 146					
15	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01330					
	SEQUENCE DESCRIPTION:	************************	1 mm 4 1 0 m 0 1 0	0101701010	1001000T11	~~
20	GATCATAGCT ACTACTTCAT ATACCTGAAT GCATGAAAAA					
20	AAAATGCAAC TGTATTGCTG		AUAUAAICIC	IICAUGATIA	INANATIUI	146
	AAAATUCAAC TUTATTUCTU	AGCAAA				140
	SEQ ID NO:1185					
25	SEQUENCE LENGTH: 197	• •				
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS01331					
	SEQUENCE DESCRIPTION:					
30	GATCCGGCTG CACACCAGGT	CCCCACCCTC	ACCCATCCCT	CCTCCACTCC	CTACCGCAGA	60
	CGGAGTCANG NACGCAGCCG					
	CCAACGGGAA TAGGAAGAAT					
	GGTGGTTTCA CAGGAAA		01101100101	••••••••••••••••••••••••••••••••••••••		197
35						
	SEQ ID NO:1186					
	SEQUENCE LENGTH: 196					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE: HUMGS01332					
	SEQUENCE DESCRIPTION:					
	GATCTCTTTG TGAACTCTGT	GTTCTCTATA	TTAGATTGCT	GTTTATATGT	AAGAATTTTA	60
	TTGCTTATGT GGCATACAAT					
	CAGTGGTACA CAGACATTCT					
45	TATCTGTCTT TACAAA	•	••••			196
	SEQ ID NO:1187					
	SEQUENCE LENGTH: 196					
50	SEQUENCE TYPE:nucleic	acid				
^	TOPOLOGY: linear					

5	CLONE: HUMGS01333 SEQUENCE DESCRIPTION: GATCTTCCCC ATTGTCCACT TGTCCTCCGT CCCTCAGCCC GACAAAGGTG CGTCCCTTCA TTTGTACGAA TGTAAA	CTGGCCTGGC	TGAGTTTGGC	AGGGCCTGGG	CCATCCCTGG	
10	SEQ ID NO:1188 SEQUENCE LENGTH:196 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01334	acid				
20	SEQUENCE DESCRIPTION: GATCTTCGGC CTCATTCTGA TTGCCTTTAG CTACCTTCTC GGTTTGAGAG TCGTAATTTA TAAAAAATTA AGCAAA	TAATATGTAT	GCTACCATCA	CTAATAAAGT	GATGGGAATG	
. 25	SEQ ID NO:1189 SEQUENCE LENGTH:193 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01335 SEQUENCE DESCRIPTION:	acid				
30	GATCATGTGT GCACAATACT TCTTTTTGCC TGTAAAATAT GTNTCTCAAG GCTGCTGTCT CTTGTCCTGC AAA	AACAAAGGGC	ATCATTAAGT	AGACCAGGTA	ATTACTGCTT	
35	SEQ ID NO:1190 SEQUENCE LENGTH:192 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE: HUMGS01336 SEQUENCE DESCRIPTION: GATCCTGTGT CCTAAATTAA TCAGATGCTG TTTACGGATA CTTCCCCATT CCCAACTCCA	TTTATATTCT	AGTCTCACTC	TCTTGTCCCA	CCCTTCTTCT	
45	TGGNCTTTTA AA					192
50	SEQ ID NO:1191 SEQUENCE LENGTH:189 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01337	acid				

5	SEQUENCE DESCRIPTION: GATCAGTGCC TTGATGCCAA CTAAGGAAAT TTGTTTAGCA TTGAATCTCT GAAGGCTCTA 6 TGAAAGGAAT AGCATGATGT GCTGTTAGAA TCAGATGTTA CTGCTAAAAT TTACATGTTG 12 TGATGTAAAT TGTGTAGAAA ACCATTAAAT CATTCAAAAT AATAAACTAT TTTTATTAGA 18 GAATGTAAA	0
10	SEQ ID NO:1192 SEQUENCE LENGTH:189 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01338	
. 15	SEQUENCE DESCRIPTION: GATCAAATTT TTGTAAAATT TTTTAAGAAG AGATGGCTTA TTAACAGGGA AGAAGCTTGT 60 NATATTCCAG TTGTAAGAAT AGCCTTAGTG TTTAGATTTT TTNATGATAG GNNAGATGCG 120 GNCATCACTG GGATATTTNC AAATCCCAAG GNCATCAGAG TGAAGTGTCA GTTGTCAGAT 180 GATTTNNAN 189)
20	SEQ ID NO:1193 SEQUENCE LENGTH:188 SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY:linear CLONE:HUMGS01339 SEQUENCE DESCRIPTION: GATCCCAGCC AGGCCCTGGA GGTCTGACAG CCCCTCCCTC CCAGAGCTGG TTCCTCCCTG 60	
30	GGAGGGCAAC TTCAGGGCTG GCCACCCCCC GTGTTCCCCA TCCTCAGTTG AAGTTTGATG 12C AATTNANGTC GGGCCTCTAT GCCAACTGGT TCCTTTTGTT CTCAATAAAT GTTGGGTTTG 18C GTAATAAA 188)
35	SEQ ID NO:1194 SEQUENCE LENGTH:187 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01340 SEQUENCE DESCRIPTION:	
40	GATCTGAATG ATACTGTCTG CTGTGTCTTT TTTCCATGAG AAATCACTGT TGCAAATTGC 60 CTATAAATTG ACTCTACTAA AATAACAATG TTTCAGTCTG AAAATTTGAA TTGAAAAAAA 120 TGTATAATAT AAAATTGTAA TACACTCAAA TGATTATAAA AGTAAAAGTT GGTAATTTAG 180 GCAGAAA 187	0
45	SEQ ID NO:1195 SEQUENCE LENGTH:187 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
50	CLONE: HUMGS01341 SEQUENCE DESCRIPTION:	

5	GATCAGGGGG GAAATGGAAT TCACTGTGTG AAATGTGGAC AATCCAGACC NTTATATAAA TTTTAAA	TTGGTATGAC	CTGACTGTCC	AATTTTCAAG	ATGAACCAGA	
. 10	SEQ ID NO:1196 SEQUENCE LENGTH:186 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1342 SEQUENCE DESCRIPTION:	acid				
15	GATCACTTAA TTCCTTTCTT AGCTGTTTCG TTTGAATATA NCCTAGATTT GAGTCAAACT NTTAAA	TTACTGGAAT	GAGTTGCAGG	NAATGCAGCA	NACTTGTTTC	
20	SEQ ID NO:1197 SEQUENCE LENGTH:186 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGS01343 SEQUENCE DESCRIPTION: GATCTTTTTA ATGACAGTAC ATAGACCTTC GCTTTATTTT CTTGATTTCA CCATTGTCGG	TGTAAGTATC	ACCTGCCACC	ATGTTTTGTA	ATTTGAGGGT	
30	CTTAAA					186
35	SEQ ID NO:1198 SEQUENCE LENGTH:186 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01344 SEQUENCE DESCRIPTION:	acid				
40	GATCTTCAGG TATTTTAAAT TTTTTGTGGT GCAAGAAGTT TCCATCTTTG GTGGCTCTAA AACAAA	TCTTATGTAA	ATNCAGGGTA	TGGATAAGCT	AATTAAGATA	
45	SEQ ID NO:1199 SEQUENCE LENGTH:184 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				•
50	CLONE:HUMGS01345 SEQUENCE DESCRIPTION: GATCTAAACA CGAGGAAACA	TTATTCATTG	GAAAAGTGCA	TGGTGTGTAT	TTNAGGGATT	60

	ATNAGCTTCT TTCAAGGGCT TGTAACCAAG AAATTTCCAT GAAA					
5						
10	SEQ ID NO:1200 SEQUENCE LENGTH:183 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01346 SEQUENCE DESCRIPTION:	acid				
15	GATCGCCCGC CCCAGCCCGG GCAGTGAGGG ATGCCGCAAC GTCTGTNTCA AATACTGTGC AAA	CTCGACTTCT	CAGCCTCCTG	GGGTTCCGCC	GGCCAACACT	
20	SEQ ID NO:1201 SEQUENCE LENGTH:184 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01347	acid			·	
25	SEQUENCE DESCRIPTION: GATCTCTGCT CAGCTTCCCT TCCAGTACCC TCTCATGGCA CCCTGCTCGG AAGGGTTNGC CAAA	TAGGNTGCAA	CCCAGCAGAG	GGCAGCTAGA	TGGACATTTC	
30						
35	SEQ ID NO:1202 SEQUENCE LENGTH:183 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGS01348 SEQUENCE DESCRIPTION:	acid				
	GATCCCCTTT GGTTTTACTA CTTTTACTAA GACATAGTCT	CTACCTATAG	AAATGTATTT	TGAAAACACT	TATTTTACAC	
40	AGCAATTTTG TATCCATTTA	AACTAACCTT	TTATCAATAA	AGCACTATTG	IIIAGAIAII	183
45	SEQ ID NO:1203 SEQUENCE LENGTH:183 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01349	acid				100
	SEQUENCE DESCRIPTION:					
50	GATCTCATTC TCCCTTTTTA TAGTTCTCCA GGAGAACTTG					

	AACAAATTAA AACTAAATAT CTAAACCTTG TATACAGACA TTAAAATTAG TGAGAGAAAC 18 AAA	
5	SEQ ID NO:1204 SEQUENCE LENGTH:183 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	•
10	CLONE:HUMGS01350 SEQUENCE DESCRIPTION: GATCTGCTTT TNCTATTTCT CCCAACCAAA TCCTCTTAAA GACCCTTTGC TATGTAGTCT 6 CATGGTCTAG CATGCATCTT GTAGAAACAA GGCATNCTGG CAGATTGCAG GGTTGAGATG 12 TGTTTTATCT GTTTTATATT TTAAAAGATT CTGCCAGAAA ATAAAACCAG ACCTTGTTCT 18 AAA 18	0
	SEQ ID NO:1205 SEQUENCE LENGTH:183 SEQUENCE TYPE:nucleic acid	
20	TOPOLOGY:linear CLONE:HUMGS01351 SEQUENCE DESCRIPTION: GATCTGAATA GAGAAATGCT TACAGATAAT CATTAGCCCA CATACCAGTA ACTTATACTT 60	•
25	AAAGATGGGA TGGAGTTGTA AAGTGCTTTT ATAATACAAT ATAATTGTTA AAGGCAAGGG 120 TTGACTCTTT GTTTTATTTT GACATGGCAT GTCCTGAAAT AAATATTGAT TCAATATGGC 180 AAA	0
30	SEQ ID NO:1206 SEQUENCE LENGTH:182 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01352	
35	SEQUENCE DESCRIPTION: GATCCTTGGG GGCCAGGGTG AAGGGTATTT TACGGGAACT CTATAAAGCA GGAAGAAGCA 60 AGTTTATTCT TTAGACCAGT AGCTCTCAAC CATGATGTGG TCGTATATTT ATGGGTCAAC 120 ATGTGTTGTG GGGATATCCC AAGTAACTTG TTATTAATAA AAGTTAAGTT)
40	102	,
45	SEQ ID NO:1207 SEQUENCE LENGTH:182 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01353 SEQUENCE DESCRIPTION:	
50	GATCAAAATT GAAGACACAT TCAGAGGTTT GATTGGTTGA GATTAACTGG TGTGGTGGTT 60 GGTGTATGTA TGTTTNATTT TNATGTCTTT GTATGTAGTT CTACATAATG CAAATTGTGC 120 TTTCTGATGG ACAAGACCTC ATAACTGTGA TTAAATATCAA TAAAAAGGGG ATGTTGTGA 180)
	***VAUNAUU AUAAUAULII. MIMMIINIDM ILAAFATEAA TAAAAAUEEE ATETTETETE TON	

	AA 1	82
5	SEQ ID NO:1208 SEQUENCE LENGTH:183 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	GTCAAGACCA AGATTCAGAA GCTGGGCAGG GCTATGCGGG AGATTGTCTA AAAGTGTTGG 1 TTTTCTGCCA TCAGTGAAAA TTCTTAAACT TGGAGCAACA ATAAANAGCT TCCAGAACAG 1	
15	SEQ ID NO:1209	
20	SEQUENCE LENGTH: 180 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGSO1355	
	SEQUENCE DESCRIPTION: GATCATGTTA TATTCTATAT CAGACAAACT ATTTTNTTTT GACCTTTCTT CCCCTCCATC	60
25	CAGTATTTCG GTTGATTTCA TTTTCTCCCC TCTCTTCCCC TTCCACGAAC TGCAATACCA I GTAACCTTGG TATATATTTT TTGATACTGT ACACATGGAT GTNTTGTTTC TATGTGCAAA I	
30	SEQ ID NO:1210 SEQUENCE LENGTH:180 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01356 SEQUENCE DESCRIPTION:	
35	GATCAAAGAT TCTCCCCATC TCACAGACAA GGAAACTNAG GCCAGAGGGA GGAGAGAATT GCTCATGGCT CCANAACTGG TGGCAAGTTT CTCTGGACTC TTAGGTTTAT TTTNAATATG	
-	AAATATAAAA NCAGTTTCAA ATATCTNATT GAGGGAGANG TAAAACCTTA TTTAANCAAA	180
40	SEQ ID NO:1211 SEQUENCE LENGTH:179 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01357	
45	SEQUENCE DESCRIPTION: GATCTATAAA ATGGAAGGTG ACCAATGTCA CTGCTTCTAA AATACTGTCC TAAACAACCC AGAAGATTTT ATTTCAGCTC ATGAATAGCT GTTCTAAATC TGTTGTATGT TAGACATACT ATGAACTACC TCTTCACTTA TTATGGGGAA GTTTCCTTAA TAAAAGTGTG ACGATTAAA	120
50	SEQ ID NO:1212 SEQUENCE LENGTH:179	

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01358 SEQUENCE DESCRIPTION:	acid				
	GATCCAAGAC CAGGGNGGTT GACCGTGACC ATCTTTTTGG GGGCTGAGGC CCCCAGCTGC	CGGGAGTNCT	CACCGCCTCA	TTCACCATCT	GGAAGAAGAT	60 120 179
10						
	SEQ ID NO:1213					
	SEQUENCE LENGTH: 178					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY:linear	•				
	CLONE: HUMGS01359					
	SEQUENCE DESCRIPTION:					
	GATCTGAGAT GTTCCTTAAC		-			60
	NTTTTCCTTT TTCANATAGT					
20	TTTGAAAAAT GGTGCTTTAT	TTCCATATCT	GANGCCTGAN	GTTATTTNNN	AGTTTGTN	178
	CEO ID NO. 1914					
	SEQ ID NO:1214 SEQUENCE LENGTH:178					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear	40.10				
	CLONE: HUMGS01360					
	SEQUENCE DESCRIPTION:				•	
	GATCTGGCAT CCNCAGGCTG	CAGCTTTATT	AGCTTATAAC	TTACTCATCT	CTATCTTTAC	60
30	CAGCAGGCTC TGTATTGTTG	ATATTTGCAA	CTNGNTTTGC	TTTCCCATTG	GTGGAATTGA	120
	AATAATTAGT TTTNAATNAC	ATAAGANGCC	TGTTTGCTAT	TNGGNGGAAG	ATAGATGN	178
	SEQ ID NO: 1215					
35	SEQUENCE LENGTH: 176					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
•	CLONE: HUMGS01361 SEQUENCE DESCRIPTION:					
40	GATCAAAGAG GTTATCTCTG	CCAGTCACAA	CTCTCCCTCC	TGTCATTCTG	GGTCTGACTG	60
40	GAGCCCTCCT GGACTGTTTC					
	ACTATGCCTC GGTTTATTTA					176
AE.	SEQ ID NO:1216					
45	SEQUENCE LENGTH: 176					
	SEQUENCE TYPE: nucleic	acid .				
	TOPOLOGY:linear					
	CLONE: HUMGS01362					
50	SEQUENCE DESCRIPTION:					
	GATCAAAACA ATTACCTAAT	TGCAAAAGAG	AAACTGAAAT	GGAACATAGT	CTCANATTCT	60

	NCTAATGTGT ATCTCACAA TTGTNCTGAA TGCTGAACT					120 176
-	TIGINCIGAA IGCIGAACI.	A IIIUUIAAIA	Muldollini	N I donuminar	0.000	
5	SEQ ID NO:1217					
	SEQUENCE LENGTH: 175					
	SEQUENCE TYPE: nuclei	c acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS01363					
	SEQUENCE DESCRIPTION					
	GATCTGTGCT GGGGAACAA					
	ACATATECTT CAGTGAGCT					120
15	CTGTAACAGT AAGANCTAA	T TCTGAAATAA	AAGACATCTC	CTAATGCTGT	GCAAA	175
	SEQ ID NO:1218					
	SEQUENCE LENGTH: 174					
	SEQUENCE TYPE: nuclei	c acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS01364					
	SEQUENCE DESCRIPTION	:				
	GATCAGGATA ATAATCTGC					60
25	TACCATTTGC AAATTAAGG					
	AATGTGTGAA CTTAATTTG	T TTTAATAAAC	CAAAATTGTT	GTTATTGTGT	TAAA	174
	SEQ ID NO:1219					
	SEQUENCE LENGTH: 174					
30	SEQUENCE TYPE: nuclei	c acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01365					
	SEQUENCE DESCRIPTION					
35	GATCTGAGCA GGCAAAGC1					
	TAGTGTGCTT TGAAATGT					
	AATATGCAAT TTATATGCC	A GATAAAAATA	AAACAAGTGA	ATTTGCAAGT	GAAA	174
	SEQ ID NO:1220					
40	SEQUENCE LENGTH: 173					
	SEQUENCE TYPE: nucle	c acid				
	TOPOLOGY:linear			•		
	CLONE: HUMGS01366		-			
45	SEQUENCE DESCRIPTION					
	GATCAACATG ATGGTGAC					
	TTAATGTGAA AAATCAAG					
	AAGTTGCTGA ATTATAAG	TATTTTNA'	r caataaatai	NNNNATACT	I AAA	173
50	SEQ ID NO:1221					
	SEQUENCE LENGTH: 216		•			

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	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01367	acid				
5	SEQUENCE DESCRIPTION: GATCCATATT TAGTTTTATT	AAGCTTTTCC	CTGTTTTTAG	TTTTGTTTTG	GGTTTTTTGG	60
	CTCATGAATT TNATTTCTGT	TTGTCGATAA	GAAATGTAAG	AGTGGAATGT	TAATAATTT	120
	CAGTTTAGTT CTGTAATGTC	AAGAATTTAA	GATTTAAAAA	NCGGATTGGT	TAAAAANTGC	180
	TTCATATTTG AAAAAGCTGG	GAATTGCTGT	CTTAAA			216
10						
	SEQ ID NO:1222					
	SEQUENCE LENGTH: 173					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY:linear					
	CLONE: HUMGS01368					
	SEQUENCE DESCRIPTION:					
	GATCGNCTCT GAACCATCCC					
20	TCTCGCACGT GGCAGGCAGG					120
20	TGTAATGCAC TTTCGCTAAT	TGGGAGTTCA	AAATTAAACT	TTAATAAAGC	AAA	173
	SEQ ID NO:1223					
	SEQUENCE LENGTH: 179					
25	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01369					
	SEQUENCE DESCRIPTION:	10 T 1 00 T T T O	*	70770 · 0700	C + 0000 + 00000	~~
30	GATCTTAGA GCAGACTTAA					
	AAATCTTTAC ATTCAGAAAT GATAATNTCC TATTCTAAAA					
	UMINATINICE INTICIANAA	INICAAAIII	AAAA I AAAGA	AUAAAUA	AAACATAAA	179
	SEQ ID NO:1224					
35	SEQUENCE LENGTH: 172					
35	SEQUENCE TYPE: nucleic	arid				
	TOPOLOGY: linear	u014				
	CLONE: HUMGS01370					
	SEQUENCE DESCRIPTION:					
40	GATCCAAAAA TGGTAGCCAC	TCACCCTTCA	CAAACTGAAG	TCCATGGACC	ACGGAAGTCG	60
	AGAATTAATG TACACCTGTA					
	TCCCAAACAG GATTAACTGT					172
45	SEQ ID NO:1225					
	SEQUENCE LENGTH: 179					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear		•			
50	CLONE: HUMGS01371					
50	SEQUENCE DESCRIPTION:					

	GATCAGCATG AGGACAG	AAG GCAGGAGACT	TTGGTCAGTT	ACCTGGGAAT	TCTGGGCTGC	60
	CAGGAAACGA TTTGGGC	CTC TGTCAGTTTC	TTTTCCATGT	ATGAGGAGGG	GGAAATTTGT	120
	ATATTAGAAA CTTATTC	ATC CCACTCAGGA	CAATAAAAAC	GAATGTACAA	AAAGCCAAA	179
5						
	SEQ ID NO:1226				•	
	SEQUENCE LENGTH: 17	5				
	SEQUENCE TYPE: nucl	eic acid				
	TOPOLOGY:linear					
10	CLONE: HUMGS01372					
	SEQUENCE DESCRIPTI	ON:				
	GATCACAGTG GCCACGN	CCA GGCCACAGTC	ATGGTGGCCA	CGTCCACAGC	CACTAATCAG	60
	NAGNCCAGGC CACCCTG	CCT CTACCCAACC	AGGGCCCCGN	GGCCTGTTAT	GTCAAACTNT	120
15	CTTGGCTGTG GGNCTAG	GGA CTGGGGCCAA	ATAAAGTCTC	TTCCTCCAAG	TNAAA	175
	SEQ ID NO:1227					
	SEQUENCE LENGTH: 31	8				
	SEQUENCE TYPE:nucl	eic acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS01373					
	SEQUENCE DESCRIPTI	ON:				
	GATCTTTAAT CTCATGA	AGT ACGACAGCTA	CAGCCGCTTC	TTAAAGTCTG	ACTTGTTTTT	60
25	AAAACACAAG CGAACCG	AGG AAGAGGAAGA	AGATTTGCCT	GATGCTCAAA	CTGCAGCTAA	120
	AAGAGCTTCC AGAATTT	ATA ACACATGAGO	CCCCAAAAAG	CCGGGACTGG	CAGCTTTAAG	180
	AAGCAAAGGA ATTTCCT	CTC AGGACCGTGC	CGGGTTTATC	ATTGCTTTGT	TATTTGTAAG	240
	GACTGAAATG TACAAAA	CCC TTCAATGGGA	TGTGTGTTTT	ATTAACTGCT	TCACCAGTAA	300
	ATTTTGCATG ATGGGCT	N				318
30						
	SEQ ID NO:1228					
	SEQUENCE LENGTH: 17	1				
	SEQUENCE TYPE: nucl	eic acid		•		
35	TOPOLOGY:linear					
	CLONE: HUMGS01374					
	SEQUENCE DESCRIPTI	ON:				
	GATCTGGAAG AGGCTTG					
	GTAATCTCCC TGGATTA	AGG CATTCTNAAA	ANCTTAGGCT	TGGCCTCTTT	CACAAATNAG	120
40	GCCACGGCCT AAATAGG	AAT NCCCTGGAT1	GTGGGNANGT	GGGCGNAAGT	N	171
	SEQ ID NO:1229					
	SEQUENCE LENGTH: 17					
45	SEQUENCE TYPE: nucl	eic acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01375			•		
	SEQUENCE DESCRIPTI					
50	GATCTGATGG TTTTAAA					
30	CATCCATGTA AGATGTO	ACT TGCTCCTCCT	TGCCATCTGC	CATGATGTGA	GGCTTCCCCA	120

	GCCACGTGGA ACTGTAAGTC	CAATTAAACC	TCTTTTCTTT	GTAAATTAAA		170
5	SEQ ID NO:1230 SEQUENCE LENGTH:170 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01377	acid				
10	SEQUENCE DESCRIPTION: GATCCATGGT GTTAGAAGCC TCCTGGAGTG CTGGTCTACC CCAGACTCCC TGTTGGAGAT	TCATCTGGGT	GTTGATTTCA	TGAGTATTGT		
15	SEQ ID NO:1231 SEQUENCE LENGTH:170 SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear CLONE:HUMGSO1378 SEQUENCE DESCRIPTION: GATCCATCAC AAAGCGAAGT TTACTGTAAT AGTGTGCTGT TGTACTGTAA TTTGATGTAC	TCATGGAAAC	CGAGGGCTGC	ATCTTGTTTA	TAGTCATCTT	
25	SEQ ID NO:1232					
30	SEQUENCE LENGTH:168 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01379 SEQUENCE DESCRIPTION:		0.0077770 4 0.0	CTTC LTTTCT	OTOTOTO A CC	60
	GATCTGGGAT GGAATATGGT ACTACTACTT TTTAATTACT	TTTCACTTAA	TTTCCCAATA	CTGATGAAAT		
35	GAGGGTTATT TATATACATT SEQ ID NO:1233 SEQUENCE LENGTH:167		CCANTITUAL	TITICAAA		100
40	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01380 SEQUENCE DESCRIPTION:	acid	·			
45	GATCTAGAGA ACATAACAAA GTAAGTGCTT TGACCTATTT ATTGNACCCT TCACCAGCAC	TTTTTAAAAA	AAAAAAACC	TGTNTTAATT		60 120 167
	SEQ ID NO:1234 SEQUENCE LENGTH:167					
50	SEQUENCE TYPE:nucleic	acid				

	TOPOLOGY: line	ear					
	CLONE: HUMGSO						
	SEQUENCE DES						
5	GATCAAGCCA TO		TAGAGTTCTG	TCTGGACTTT	CCAGAGACCA	GTATTCCCTT	60
	TTGCTGCCTC T.						
	ACAAGCTTTT T						167
	SEQ ID NO:12	35					
10	SEQUENCE LEN	GTH: 167			•		
	SEQUENCE TYP	E:nucleic	acid				
	TOPOLOGY: lin	ear					
	CLONE: HUMGSO	1382					
15	SEQUENCE DES						
	GATCTTTTGT C						
	TCTTCTCCCA G					CAGGGTTTTT	
	CACGCTTTTG T	AGAACTGAG	GTTTCAATAA	ACAGTTTCAG	TTGCAAA		167
20							
	SEQ ID NO:12						
	SEQUENCE LEN						
	SEQUENCE TYP		acid				
	TOPOLOGY: lin						
25	CLONE: HUMGSO						
	SEQUENCE DES				#0000TCTCT	C CCTCCCCT	60
	GATCCTCCAG C						
	TCTGCTGTGT G					ICITICAGI	167
30	TAACAGATGA A	CTGNNNNTA	TCATTAAATA	IIIIIIGAAAA	CAIGAAA		101
	SEQ ID NO:12	27					
	SEQUENCE LEN						
	SEQUENCE TYP		acid			•	
35	TOPOLOGY: lin		4014				
35	CLONE: HUMGSO						
	SEQUENCE DES						
	GATCCATCAG T		AGCTGTAGAG	CTTGCAACTT	AATAGCAGCA	GCTGCCCAAT	60
	GCCATGTNAA (GTAACAAACT	GGTTTTTGGT	TTTTTTTTC	CCCTTCAGTT	TAAATGTNAT	120
40	GTGNAATGTA 1						171
	SEQ ID NO:12	238		•			
	SEQUENCE LE	NGTH: 166					
45	SEQUENCE TY	PE:nucleic	acid				
	TOPOLOGY: 1 in	near					
	CLONE: HUMGS	01385					
	SEQUENCE DE						_
	GATCTGGGGT						
50	TATCAAAAAT	CCCTCCTACT	CCTAATTCC	T TNGTGGCTT	GTAAACTAC	CTNTGGATGA	120

	TTTCCAAACA TTCAAAGCCA	ATAGCCTNGT	NATNAACAAG	ANATTN		166
	SEQ ID NO:1239					
5	SEQUENCE LENGTH: 165					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01386					
10	SEQUENCE DESCRIPTION:	000000	Ba 0a.aa.			
	GATCAAAACC CAGCAGAGTG					
	TGGAAAGGAT GAATTTACAT GCTTGTTTTT GTTTTTGCAG				HIGHTIGHTI	
	delitatiiti diitiitacka	CIAAAAIAAA	AATTICAAAT	ACAAA		165
15	SEQ ID NO:1240					
	SEQUENCE LENGTH: 165					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS01387					
20	SEQUENCE DESCRIPTION:					
	GATCTGTCTG TGTTGTTATA					
	CTGTCATTTC AATTGGATAA				TTGATGTAGC	
	TGGATTCAAG AATGGATTGC	CTNATCAATA	AAGAATATTT	AGAAA		165
25	SEQ ID NO:1241					
	SEQUENCE LENGTH: 166					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
30	CLONE: HUNGS 01388					
•	SEQUENCE DESCRIPTION:					
	GATCCTATTT TGGGCCTGGG	GTGGGTATAC	CTGNGGCTGG	TCTTAGGAGG	GTGCTAGGCT	60
	GCAGACTGCC TTGTACTCCC				ATTTCATAAA	120
35	ATTCTTTGAA GTCCAATAAA	GCATGTAGGA	GATTTTAACC	ACTAAA		166
	SEQ ID NO:1242					
	SEQUENCE LENGTH: 164					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear	4014				
	CLONE: HUMGS01389					
	SEQUENCE DESCRIPTION:		•			
	GATCAAAGGN CAAAAGACCA	AAAATCAGCG	GGCTGAGGAT	GGAGCACAGC	CATGAACCTG	60
45	CTCACGACAA GACGCACCCA				GCTTCCTGTC	120
	GGGGCTGCTA GGTCAGCATT	AAAGTAAGGC	AACCAACAGT	NAAA		164
	SEQ ID NO:1243					
	SEQUENCE LENGTH: 163					
50	SEQUENCE TYPE: nucleic	acid				

	TOPOLOGY: 1i	near					
	CLONE: HUMGS						
	SEQUENCE DE						
_	GATCTGCTCA		TTGCCATTTT	TATTAGAAAT	TTAATTTCTT	CATGTGATGT	60
5	CATGAAACTG						
	TTACTTCCTG (CITIINGIGI	
	TIMOTICOIQ (CAUTUAATTI	UANIAANIUA	UNANANTUC	AAA		163
	SEQ ID NO:12	244					
10	SEQUENCE LES						
	SEQUENCE TYPE		naid				
	TOPOLOGY: lin		aciu				
	CLONE: HUMGSO						
	SEQUENCE DES						
15			70071.m.	.mamaaaa.		.======	
	GATCTGGATT 1						
	GTTCTTCTCT C					TGTTCAGAAA	
	GGTATTAAGG G	ICI IAGGCCA	AATCTTACTT	TGAGTATGTT	AAA		163
20	SEQ ID NO:12	145					
	SEQUENCE LEN						
	SEQUENCE TYP						
	TOPOLOGY: lin		acid				
	CLONE: HUMGSO						
25	SEQUENCE DES						
				2222212212			
	GATCGTCAAA A						
	CAAGCGTAAC T					GGTTCAAGGG	
30	CCAGGTCTTG A	IAIGAIGCC	CAGCATTGGT	TATAGGNGCA	AA		162
00	CEO ID NO. 10	4.0					
	SEQ ID NO:12						
	SEQUENCE LEN SEQUENCE TYP						
	TOPOLOGY: lin		acid				
35	CLONE: HUMGSO						
	SEQUENCE DES						
			mm i mom i m i n	2011112			
	GATCTGGAAG T						
40	CATCCAAGAC G						
70	CCAGGATATA A		GGATGTCTTT	TITTITTT	TNNCNCCCCC		
	GNTGCTGCCT N	ANTITN					197
	SEQ ID NO:12	A77					
	SEQUENCE LEN						
45	SEQUENCE TYP		: 3				
	TOPOLOGY: lin		acid				
	CLONE: HUMGSO						
	SEQUENCE DES						
50	GATCTCAATG C		ልፐተርተተርርተር	ፐ ሮሮ ልር ልጥ ል ጥ ጥ	ፐ ቸፐርርር አርተር	A C A A A C A TTC	60

	TCTCATCCTA CTTAGCCTAC CTAGATTTCT CATGACGAGT TAATGCATGT CCGTGGTTGG I	120 160
5	SEQ ID NO:1248	
	SEQUENCE LENGTH: 160	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	CLONE: HUMGS01395	
	SEQUENCE DESCRIPTION:	
	CATCOCAAAA TCCACCOCAAA COCAAA COCACA COCACAA C	60
	TTTGGATTCT TTGCAGTACT TTGAATTTAT TTTTCTACCT ATATATGTTT TATATGCTGC 1	
15	TGGTGCTCCA TTAAAGTTTT ACTCTGTGTT GCACTATAAA 1	60
	SEQ ID NO:1249	
	SEQUENCE LENGTH: 159	
20	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE: HUMGS01396	
	SEQUENCE DESCRIPTION:	
	CATOTOGARD AGORINAND PROGRAMMA	60
25	TTATTGTAAT ATGTACTAGT CTGTGAACAA TGTCAAATAA AAGAGAACGA ACAGGTAGTT 1	20
23	TGGTGGAGCT GAGCTAGTGT ACAATACACT AGTTGTAAA 1:	59
	SEQ ID NO:1250	
	SEQUENCE LENGTH: 159	
30	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUMGS01397	
	SEQUENCE DESCRIPTION:	
35	GATCTTGGAA TTCTTGTNTG GATTTNCACA GTTTTTAAAA TTAATCATGT CAGCCCAATG (CAGCTGTGTC ATTGCCACCT AGTGGTAAAA CTAACATTAC TGTTAAGCTG TGTGATTTTA 12	60 00
	1.000001100 0001001111 0001001	20 59
	1.	33
	SEQ ID NO:1251	
40	SEQUENCE LENGTH: 159	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUMGS01398	
45	SEQUENCE DESCRIPTION:	
	GATCCCTCTG AGAGTTGATG AGGATGTGTA ACAAGTATTT NCTTCTATNG TGCCTGCCAG GGCTGAAGCT GCCTGGTATC CAGGAGGGGA ATGCTGGTAT CCCCATATGN CTGTNTTTGT 12	
		20 59
	13	J
50	SEQ ID NO:1252	
	SEQUENCE LENGTH: 158	

5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO1400 SEQUENCE DESCRIPTION:
	GATCCTATTC TTGTAAAAAT ATTTGTATGT ATGCACAGAA ATCTGCAAAG ATGTACACTT 60 AGTGAACTGG TTACCAACGA ATGGTGGGAC TAACTAAAAT GGTCTTTTTA CTTATATGTG 120 CATTTCTTTT TATAATAAAA ATGGGTTATA TGCCTAAA 158
10	SEQ ID NO:1253 SEQUENCE LENGTH:158 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
15	CLONE: HUMGSO1401 SEQUENCE DESCRIPTION: GATCTGCCCT GTGTTATCCA GTTATGAGAT AAAAAATGAA TATAAGAGTG CTTGTCATTA 60
	TAAAAGTTTC CTTTTTATT CTCTCAAGCC ACCAGCTGCC AGCCACCAGC AGCCAGCTGC 120 CAGCCTAGCT TTTNCCCNTT TTTTTTTTT NNNCNNTN 158
20	100
	SEQ ID NO:1254 SEQUENCE LENGTH:157 SEQUENCE TYPE:nucleic acid
25 .	TOPOLOGY: linear. CLONE: HUMGSO1402 SEQUENCE DESCRIPTION:
30	GATCTCAATC TTCGGGGTGT GATGAATAGC GAATCATCTC AAATCCTTGA GCACTCAGTC 60 TAGTGAAGAT GTTGTCATTA TGTACAATAC ATAACTAGTT TAATTAACTA TGTGATGTTA 120 ACTATTATTA ATAAATTTTA ACATTTTCCA AAATAAA 157
35	SEQ ID NO:1255 SEQUENCE LENGTH:157 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
40	CLONE:HUMGS01403 SEQUENCE DESCRIPTION: GATCCGGATG NGGGGAGCTC TGTACAGAGG GCTGGTGATT GTAAAAATTT CTTTTGTAAA 60
	GTAGAAGTTG GGGGTGGGGT GGGTGCTGGC TGCAAAAATT TCTGGCTTCT CTTACCCCTA 120 TTGCCCCCGG CAATAAATTG TTTCTATATG CCAGAAA 157
45	SEQ ID NO:1256 SEQUENCE LENGTH:160 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
	CLONE: HUMGSO1404 SEQUENCE DESCRIPTION:
50	GATCTTATTT GGAATTGACA TICTCTATTG TAATTTINTT CCTGTTTATT TITAAATTIN 60

	CTTTTTGTTT CACTGGAAAG TTGCTTTGTT ACAATAAAAC				AGTGTACAAG	120 160
5	SEQ ID NO:1257					
	SEQUENCE LENGTH: 156 SEQUENCE TYPE: nucleic	aaid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS01405					
10	SEQUENCE DESCRIPTION:					
	GATCTTTGTN CTTGACCTCT	AGACCCCAAG	ATGTGAACAG	TGCACGTTTT	AATGTCATCT	60
	TTNCTCATGT GTTATAAGCC (CCAAGTTGCT	GTATATTTNC	ACAAGTATGT	CTACACACTG	120
	GTCATGATTT TNATAATAAA	TAACGATAAA	TCGAAA			156
15						
	SEQ ID NO:1258					
	SEQUENCE LENGTH: 155	. ,				
	SEQUENCE TYPE:nucleic a	acid				
20	CLONE: HUMGS01406					
	SEQUENCE DESCRIPTION:					
	GATCTTGCTC TGATTATAAT O	GCCAGTGAAT	GTTGCTGAAC	TCTTTGTATA	TGCAAATTGC	60
	AAGATTTAAA CCATTCTGAT O					
25	TGTCTTTAAA TCTCTTAATT 1					155
	SEQ ID NO:1259					
	SEQUENCE LENGTH: 155					
	SEQUENCE TYPE:nucleic a	acid				
30	TOPOLOGY: linear					
	CLONE: HUMGS01407					
	SEQUENCE DESCRIPTION:					
	GATCTGCACT CCCACTCCCC C					60
35	AAGCCACCTC ACCCAGCCAA C			GGATTTTCTT	CACTGCAGGG	
	CITTUOGION NONANANANA C	JICIICAAAI	GUAAA			155
	SEQ ID NO:1260					
	SEQUENCE LENGTH: 155					
40	SEQUENCE TYPE:nucleic a	icid				
	TOPOLOGY: linear					
	CLONE: HUMGS01408					
	SEQUENCE DESCRIPTION:	1. mammaa	aua. a.a a -			
45	GATCTGGGAG TGCTGGACGT C					
	GCAGACGGGA CTGTCCGCCT C GTGCTGAAGT CAACAGAGCC T			TGCCTGGGGC	TGGGGTGGTC	
	ATACTANAL CANCADAR	TIMOUUTUI	UCAAA			155
	SEQ ID NO:1261					
50	SEQUENCE LENGTH-158		•			

	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS01409 SEQUENCE DESCRIPTION:					
5	GATCTTGGAG GCCAGCCAGC	TGAAGGAGAC	ACTGCAGGCG	GTGCCCAAGC	CAGGGGCCTT	60
	TGACCTGGAG CAGGTGAAGC	GTTCCACCTA	CTTNTTCAGC			
	CAGTGTGTAA ATAAAGCTCT	TTTGCCACCC	CCAGGAAA			158
10	SEQ ID NO:1262					
	SEQUENCE LENGTH: 151 SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	acid				
15	CLONE: HUMGS01410					
15	SEQUENCE DESCRIPTION:					
	GATCCATCAT NGATGTAAAA	GTTCACAATC	ATGGTTCAAA	TGTAACAGTG	CAGAATTGAA	60
	TATGGAGGCA TGCATAACCT			TGTTGTAATT	TCAAATTTTT	120
20	GTGCAATTAG ATTAAATCAT	AATGCAACAA	Α .			151
20	SEQ ID NO:1263					
	SEQUENCE LENGTH: 154					
	SEQUENCE TYPE:nucleic	acid				
25 .	TOPOLOGY: linear					
	CLONE: HUNGS01411					
	SEQUENCE DESCRIPTION:					
	GATCTGATGG GTTTATCAGG					60
30	ATGTAAGAAG TGCCTTTGGT TGTAAGGCCA ATTAAACCTC			CCTCCCTAGC	CATGTGGAAC	120 154
	INTERNATION ATTACACCIC	IIIIICIICC	CAAA			154
	SEQ ID NO:1264					•
	SEQUENCE LENGTH: 154					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01412					
	SEQUENCE DESCRIPTION:	1 TTCCC 1 TC 1	1 TT 1 TO 1 CTT	<i>ርጥር እ</i> ጥጥር ጥርጥ	************	60
40	GATCAGCACC TTGTATAGGA TGCATATATG TCCTACTTCA					120
	TATCCTAAGC ATTTTAATAA			INCUMINUM	AUTOMICIU	154
	,					
	SEQ ID NO:1265					
45	SEQUENCE LENGTH: 153					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS01413					
	SEQUENCE DESCRIPTION:					
50	GATCCTGGCC TGAGAATTGA	GGGGAGGTGG	CCAGCCCGCA	GAGGTGGGGT	GCTGGGGCTG	60

	CATGATTTTN GCCC1	GCGTC CCTTCTCTT	GGGGCTCCTT	TCCCCTCTCA	TACATAAAAT	120
	CGCTTTCAAA TTAAA	NATEGE TETTTETE	3 AAA			153
5	SEQ ID NO:1266					
-	SEQUENCE LENGTH:	163				
	SEQUENCE TYPE: nu	cleic acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01414	ł				
10	SEQUENCE DESCRIP	TION:				
	GATCCGAGTG AAGCC	CCAGG TCTCANAGAO	CAAGCTGTAG	CCAGATGGTA	CCAGCTTCGC	60
	CTGGGGCTTC AAGAA	CCTCC CATCTATCC	CATTCCTGAN	ACAGGGAGTT	ACAGTCCCTT	120
	TTTGGCCCTC ACATN	CAATA AANGTGACT	ATANCACTGG	AAA		163
15						
	SEQ ID NO:1267					
	SEQUENCE LENGTH:					
	SEQUENCE TYPE: nu	cleic acid	•			- 12
20	TOPOLOGY: linear CLONE: HUMGS01415					
	SEQUENCE DESCRIP					
	GATCTGGCAA CACGT		* **********	TCACCACCTA	TAATTACTCT	60
•	ATCCTAGGTG TGÄAT					
25	TAATGTTTTT NGGCT			MOIDDITIM TO	ATTAIN VION	153
25						
	SEQ ID NO:1268					
	SEQUENCE LENGTH:	152				
	SEQUENCE TYPE: nu	cleic acid				
30	TOPOLOGY:linear				•	
	CLONE: HUMGS01416		•			
	SEQUENCE DESCRIP					
		MAATGC TGACAGCCAC				60
35	CAATCCTCCC GTAGA			TTTGGACTTC	TGGCCTCAGA	
	ACTGTAAGAG AATAA	ATTTC TATTGTTTT	AA			152
	SEQ ID NO:1269					
	SEQUENCE LENGTH:	152				
40	SEQUENCE TYPE: nu					
	TOPOLOGY: linear					
	CLONE: HUMGS01417	7				
	SEQUENCE DESCRIP	TION:				
45	GATCAGACCA ACAGT	GCTGT TTCCCGGGA	GAACACTTTT	TNATTNTTAC	CCTTTGCAGC	60
	TCCCACCTTT AATCT	GTTTT ATACCTTGC1	TATTAAATNN	GCGCTTAAAT	NATTGAAATA	120
	ATGCTGNCTT AGTAC	CAACT AAAATGTGN	C TN			152
	ARA IR NA 1055					
50	SEQ ID NO:1270	150				
	APRILIPRUM LPNISTHS	176				

5	TOPOLO CLONE: SEQUEN GATCCO	NCE TYPE:nuclei OGY:linear HUMGS01418 ICE DESCRIPTION CCCT ACCCACCCC TCTA AGCTGGTGT	: A GTCCCAAATC				
		AATA AAGCTTGAA			44.21446614	doddxardid	156
10	SEQUEN SEQUEN	NO:1271 CE LENGTH:151 CE TYPE:nucleio	c acid				
15	CLONE: SEQUEN	GY:linear HUMGS01419 CE DESCRIPTION					
	GGGATT	CTTC TCTCCAAAT(AACC GGGAGCTTG/ TGCA AAATAAATA(AAATTTGTNT	TTGGTAACCT			120
20	AATUUC	IUCA AAAIAAAIA	, CICACAIGAA	A			151
	SEQUEN SEQUEN	NO:1272 CE LENGTH:93 CE TYPE:nucleio	acid				
25	CLONE:	GY:linear HUMGS01420 CE DESCRIPTION:		000000	B 0000000000	7 000000	
30		GGAG GACCCTGGGC AATG TTACGATGT1			TGGGGGACGG	TGAACGGCCA	60 93
	SEQUEN	NO:1273 CE LENGTH:149	.,				
35	TOPOLO CLONE:	CE TYPE:nucleic GY:linear HUMGS01421 CE DESCRIPTION:					
40	CATCAA	CTTT GTCAGTGGGG GATG GTCAAAGGGG TAAA TTGGATTNA1	CTGCAGAGGG				
45	SEQUENO SEQUENO TOPOLOO CLONE:	NO:1274 CE LENGTH:151 CE TYPE:nucleic GY:linear HUMGS01422 CE DESCRIPTION:					
50		AACG TGCTGATATO					

	CAGATACAAT AAAAACTTAA	TTGTGATTAA	. A			151
	SEQ ID NO:1275					
5	SEQUENCE LENGTH: 149					
3	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acra				
	CLONE: HUMGS01423					
	SEQUENCE DESCRIPTION:					
10	GATCCTCCCT CTATTTTGCA	AACAGTCTGT	AAGTAACTNA	TAAAACTTTA	·AAATATGCAA	60
	ATTTTAAAAT TATATAGTTT					
	ATGAATAAAG GCTTTTTTAA					149
15	SEQ ID NO:1276					
	SEQUENCE LENGTH: 254					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE HUMGS01424					
20	SEQUENCE DESCRIPTION:					
	GATCCTACTC CTTTGGAGTA	AAACTAGTGC	TTACCAGTTT	CCAATTGTAT	TTAGCTTCTG	60
	GTTGGAATTT GAAAAAAAA	GAAAAAAAGA	AAAAGAAAAC	СТАААТАААА	TAGGTGAAAG	120
	TTCCCTGACT ATTCAGGTGA	ATACACAAAG	TTTGAAGTGT	TAACTTTTTC	TTTCCATTTC	180
25	ACTGATGTTA CTGGTCACCT	TAGAGAATTA	TTTCATAGTC	TGTGGCTAAA	TAGTAAATTC	240
	AGANGAAAAA TAAA					254
	SEQ ID NO: 1277					
	SEQUENCE LENGTH: 148					
30	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01426					
	SEQUENCE DESCRIPTION:					
35	GATCCTACTG TTGAGTTAGG					
	GTAAACTCTA GATTACTGTG		ACTATTTGGC	CATAGATGTA	AAAACTACCA	120
	AATAAAAGTG GATTTTGTGG	TCTACAAA				148
	SEQ ID NO:1278					
40	SEQUENCE LENGTH: 148					
	SEQUENCE TYPE: nucleic	acid		•		
	TOPOLOGY:linear		•			
	CLONE: HUMGS01427					
45	SEQUENCE DESCRIPTION:					
	GATCCACAGT GGAGTCTCAG					
	TAAAAGTAGA GATAATGTGT		CATTTAGTGA	ACCAATTGTN	ATANTTCTGG	120
	AAATCTNTTN TCTTTAAGTG	TAAATANN				148
50	SEQ ID NO:1279					

5	SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01428
10	SEQUENCE DESCRIPTION: GATCCCAATC AGATTCCCGC TAATGGAAGA AGTTTAGAAT CTTTCAGGTG GAATAAAGTC 60 ACATGAAAAC AAAACACAAC TATATATATT TCCAGTTTTT TTGCCTTATT GATTTTTTNC 120 CAAA 124
15	SEQ ID NO:1280 SEQUENCE LENGTH:147 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01429
20	SEQUENCE DESCRIPTION: GATCTTTGGG GAGATACATC TTATAGAGTT AGAAATAGAA TCTGAATTTC TAAAGGGAGA 60 TTCTGGCTTG GGAAGTACAT GTAGGAGTTA ATCCCTGTGT AGACTGTTGT AAAGAAACTG 120 TTGAAAATAA AGAGAAGCAA TGTGAAA 147
25	SEQ ID NO:1281 SEQUENCE LENGTH:147 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO1430
30	SEQUENCE DESCRIPTION: GATCCTGACA CTAAGGAATG CTGAAGCTTT GGACTTCGGC AGTCTTCCAC CTTCAGTCAT 60 CAGCTACAGT TGGAATGAAT TTNAAAACGC TCGGGACCTG TTAATNTNTC CTGTAGNCTG 120 TATTATNTNA AAAATCTGGG CAACAAA 147
35	SEQ ID NO:1282 SEQUENCE LENGTH:147 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
40	CLONE: HUMGS01431 SEQUENCE DESCRIPTION: GATCTCGCTC CCCCCTTCGG TTCTTTCGAC CGGTCCCCCC TCCCTTTTT GTTCTGTTTT 60 GTTTTGTTTT GCTACGAGTC CACATTCCTG TTTGTAATCC TTGGTTCGCC CGGTTTTCTG 120 TTTTCAGTAA AGTCTCGTTA CGCCAAA 147
45	SEQ ID NO:1283 SEQUENCE LENGTH:146 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
50	CLONE:HUMGS01432 SEQUENCE DESCRIPTION:

	GATCTCAGTT CCTGGCTTTC	CCCCCAGCCT	TCTCACCCTT	TGTGTCTGTG	TAGTGATTTG	60
	GTGAGAAATC GTTGCTGACC	CTTCCCCAGA	CCATTTATGA	GTCNAAGTTT	ATTATTCAAT	120
	AAAAGTGCTN TATGCGCTTT	CTCAAA				146
5						
	SEQ ID NO:1284					
	SEQUENCE LENGTH: 146					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS01433					
	SEQUENCE DESCRIPTION:					
	GATCCAAAGA TGAGGGGATT	NTTTCAGAAA	GACAATCTCG	GCATGCATTA	TTTCTTTNNT	60
	TTGAAGATTC ACTCATGTTG					120
15	TCTGTCATAT GCCTATCTNC	AATTNN				146
	SEQ ID NO:1285					
	SEQUENCE LENGTH: 167					
	SEQUENCE TYPE: nucleic	acid	•			
20	TOPOLOGY: linear	0010				
	CLONE: HUMGS01434					
	SEQUENCE DESCRIPTION:					
	GATCCCCATG CTAAGAAAAT	GCCCAAAAA	ATAGGCAAAA	CACGAGAAGA	GCTAGGGTAA	60
25	GAGAAGGACG TAAACAGAAC					
20	CTATTAAATA AAATNATTTT					167
		100/21/22/0	01101000.21	0111111111		10.
	SEQ ID NO:1286					
	SEQUENCE LENGTH: 179					
30	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	4014				
	CLONE: HUMGS01435					
	SEQUENCE DESCRIPTION:					
35	GATCAAAAAG GCTTATAAAA	CAGAGTAATC	TTGTTGGTTC	ACNOTTGNGA	CCGTGAAGAT	60
33	ACTITGIATI GICCIATIAG					
	TTGGCAACAA ATTTTGAAAA					
		4				
	SEQ ID NO:1287					
40	SEQUENCE LENGTH: 145					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	4014	•			
	CLONE: HUMGS01436					
45	SEQUENCE DESCRIPTION:					
	GATCCGATGG GAGTGTAAAT	GTGAGACACA	ATGTCTTGAT	TATACCTGTT	TGTGGTTTAG	60
	CTTTGTATTT AAATAAGGAA					
	ATNAAAATAT TTATTGCCAG					145
50	SEQ ID NO:1288					

5	SEQUENCE LENGTH:145 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01437	acid			
	SEQUENCE DESCRIPTION: GATCAGGGCA TGCAACCAAA GCTATTTTTA GATTTCTNCT TAAAAAAAAT TATTTCCTGT	GGCTTATGTT			60 120 145
10		GO/MIN.			140
15	SEQ ID NO:1289 SEQUENCE LENGTH:145 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01438 SEQUENCE DESCRIPTION:	acid			
20 .	GATCAGATTT TTTTTGTACC GTGGAAAAGG TAGCATTCTT CAATAAAAGA CTTTTACAAA	TTTTTAGGAG			60 120 145
25	SEQ ID NO:1290 SEQUENCE LENGTH:145 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01439 SEQUENCE DESCRIPTION:	acid			
30 ·	GATCCCAGGG CTCCCTGCCA GCCATTTTT TTTTTGTNCA CAAATAAAAN GTTTAAAACC	AATGATTTAA			60 120 145
35	SEQ ID NO:1291 SEQUENCE LENGTH:145 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01440	acid		·	
40	SEQUENCE DESCRIPTION: GATCAGGAAT TCTAAATAAA CATATTTTTA TACTTTATTG ACAAATAAAT GATTATATTN	AAAGGGGACA			
45	SEQ ID NO:1292 SEQUENCE LENGTH:144 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
50	CLONE: HUMGS01441 SEQUENCE DESCRIPTION:				

	GATCTGCCAG CACCCTGTGG CGGGTGCCGA GGAGCGGGAA GTGCCGTGTC CACGGGTGCA	GAGTTGCTGG				60 120 144
10	SEQ ID NO:1293 SEQUENCE LENGTH:144 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS01442 SEQUENCE DESCRIPTION: GATCTAAATA TTTTNNAGCT AAAAGCATCA TGTGGAAGAA TGAAATCTGT TTTACAACTA	TGGGAACTAT				60 120 144
20	SEQ ID NO:1294 SEQUENCE LENGTH:372 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01443	acid				
25	SEQUENCE DESCRIPTION: GATCTTGGTA GTATCCCTGG ATTCACTTAA CAGCTCTTTT CTCTCCTCTC TGGTAGGTTT GGACTCCCGC TCCCNCCACC	GGGATTGGGT AATTTTATGC CCAAAGTTTG	GTTTCATTCC TTTCCCTGAT TCTGTGGGTG	ATTTCTGCCC TCCAGCTTTC TTATAGTGGT	ACTCCCTCTC TGCTTCCTGA AACTGCAGTT	180 240
30	CCCTCCTCTG GGAATNGTAG GCTNAAAANG TGGGGGTAAN GTTTANGGNA AA					
35	SEQ ID NO:1295 SEQUENCE LENGTH:145 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01444 SEQUENCE DESCRIPTION:	acid				
40	GATCTTCTCT GTGGGGGAAA TGGGCTCTGG GAACAGGGGA TAAAAGCGAG CTATTGCATT	CTACTTTGGG				60 120 145
45	SEQ ID NO:1296 SEQUENCE LENGTH:141 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1445	acid				
50	SEQUENCE DESCRIPTION: GATCTTATAT CCTGTGACCT	GTCTAAATTC	AATCTGTTAG	TTTTATCATT	TTTTAAAAAA	60

	ATGTCCGTGT GTGTCTTCCT TGAGATTTTC TA	ACATTATCA TGTCATCTGC ANATAAAG	AC 120 141
10	SEQ ID NO:1297 SEQUENCE LENGTH:141 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear		
15	CLONE:HUMGS01446 SEQUENCE DESCRIPTION: GATCCAGTTG TACTAAGGTG TACAGGATAT TT ATTAATAACT GCATTTNCCT AACTTTGAAA AA ATGAGATTGG GCTATTGCAA A		
20	SEQ ID NO:1298 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01447		
25	SEQUENCE DESCRIPTION: GATCTAAAAT AGATATGTTG GATTGATATT CTG GTACATGCTT TAGAAGCAAC AACAATGAAA TCG NTAAAATACC TAGTTTGAAA		
30	SEQ ID NO:1299 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01448		
35	SEQUENCE DESCRIPTION: GATCCATAGA AGGGCTTCCC AAACCTTGTT TTC GGAAGGCCTT TATCAGATTC ATAGATGAGC TTT CACTTCATGA TGGAGGGAAA		
40	SEQ ID NO:1300 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO1449		
	SEQUENCE DESCRIPTION: GATCTGAGGT TTTTAGATTT TAAATATTTA TGT TCGCTATCAT TTCATTCTTT TGACATTATT TGAAATTGTTAAA AGTTTTTAAA		
50	SEQ ID NO:1301 SEQUENCE LENGTH-139		

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01450 SEQUENCE DESCRIPTION: GATCTTCACA AAGTTGTCTT AAGCAAAAGT TGGTTGCCTA ATTTGTCTTA AGATGCAAA	TTCACTGTGT				
10	SEQ ID NO:1302 SEQUENCE LENGTH:138 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS01451 SEQUENCE DESCRIPTION: GATCGNCACA TTTCCCAAAA AAAGTTTTAC AAAATTCAAT AAAACTTTCC CAATTAAA					
20	SEQ ID NO:1303					
25	SEQUENCE LENGTH: 137 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS01452	acid				
30	SEQUENCE DESCRIPTION: GATCATTITT TCGGTCTCCG ATGCATATTG TATATGTGTA TTTGAAATCA CTGTAAA					60 120 137
35	SEQ ID NO:1304 SEQUENCE LENGTH:136 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01453 SEQUENCE DESCRIPTION:	acid				
40	GATCTTTTTG TGATTGCTTT TTTTTTCCTA CATACGCAAA TTANCCTAAA ANCAAA					
45	SEQ ID NO:1305 SEQUENCE LENGTH:136 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01454	acid				
50	SEQUENCE DESCRIPTION: GATCAGCTGG GTTTTGGCCA	GGAAGTTGTC	TTTGTGGACT	CTGCCTGCAT	GGCTTAGTAG	60

	TTGAAGGAAA TTTTTTTTTG GTTTTGTTTT TTATAATTCA GTTTAATCAA TAAACATGTA 1 TTTATTGACT GTTAAA	20 36
5	SEQ ID NO:1306 SEQUENCE LENGTH:136 SEQUENCE TYPE:nucleic acid	
10	TOPOLOGY:linear CLONE:HUMGSO1455 SEQUENCE DESCRIPTION: GATCCCTTTA TGAGTTTTGC TATTTTGGCA TGCTACATGT AAGTTTTGCT TAATGTTTTT	60
15	ATGTAAAGCA TCTTCCTCCT TTTACTTCTT TTATTGTGAT AAAACTCATA TAAAATTGAC 12	
20	SEQ ID NO:1307 SEQUENCE LENGTH:136 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
25	CLONE:HUMGS01456 SEQUENCE DESCRIPTION: GATCTGGGCC CGACCCTCAC TACCCCTGAG ATATTAGTTC CCAGGCCTGT TTTCCCACAG GATTGTGGGC TCTCTGCTTC CTTAGTCGGA AGTNTTTCA ACTAATCAAA TAAATGAATG 12 AATGATGAAT AAGAAA 13	
30	SEQ ID NO:1308 SEQUENCE LENGTH:135 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01457	
35	SEQUENCE DESCRIPTION: GATCCCAAAG ATATTAAATA TATGCAAATA TTCCAAAGTC TGAAAAAATC CAACATCCAA 6 AAACACTTCT GACCCAAGCA TTTCAGATAA GGGACCAGAA TTATTAGATT AAATAAGGTA 12 TATTATTAAG TTAAA 13	
40	SEQ ID NO:1309 SEQUENCE LENGTH:135 SEQUENCE TYPE:nucleic acid	
45	TOPOLOGY:linear CLONE:HUMGS01458 SEQUENCE DESCRIPTION: GATCAGGCCA AGAGGTTGCA CAGGGCATGA TACTGCACCC TGCCTGACCC AGCTGGGCTC ACAGGTCAGG GGAGAGTTGG GGCAGGTGAA TGTCAGCATC AGGCTTCTNN TTTTAAACTT 12 TTAAANAAAT ACAAA 13	
50	SEQ ID NO:1310 SEQUENCE LENGTH:135	

	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01459					
5	SEQUENCE DESCRIPTION:					
•	GATCCTGCCT CAAAAAAAAC	AAAAAAATTC	TTTATTTTCT	CCATAAACTA	CAGTTTATAT	60
	AAGCAAAAGT TTCAGTACTA	AGCAATTTNA	GTCTCTGCAG	TCTCTNGTNT	TGANTTAATA	120
	CAACTTTNGT NAATN					135
10						
	SEQ ID NO:1311					
	SEQUENCE LENGTH: 139					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
15	CLONE: HUMGS01460					
	SEQUENCE DESCRIPTION:					
	GATCTACCTG TGGCCCGGCC	TCCCTAATGT	NATTCACATT	GAATGGGGAT	GAGGTCGGAC	60
	AGTGGCTCAT AGAGCGAGTA					120
	CCTTATTTTC NTNTTTAAA					139
20					-	
	SEQ ID NO:1312			•		
	SEQUENCE LENGTH: 134					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear					
	CLONE: HUMGS01461					
	SEQUENCE DESCRIPTION:					
	GATCCTAGTA TGTTGATAGC	TTTNATTTTG	TGAGTGGTTT	ACTAGTCATT	TATTATGATT	60
	CCCATGANCT CTGATATGAT					120
30	TCTTTTATAG GAAA					134
	SEQ ID NO:1313					
	SEQUENCE LENGTH: 237					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01462					
	SEQUENCE DESCRIPTION:					
	GATCTCAAGG TTGATAGTGG	TGTTCACTAG	GAGACGTGGA	ATTGAGACTA	ATAACTTGGA	60
40	TGTTAACACT GTTTACTGTT	TTTTCACATG	TAGAAATGTT	CTTTGTGTAT	TTTTTCTACA	120
	GAGGATTTTC TCTGATTTTA	TTTTCTTTGT	TTCTGACTCT	AATAATTAGT	TGGAAACTCA	180
	TATAAAATGA GCTTTCCTAA	ATTAAATCTA	TTTTAAATAA	AGGTTATTAC	TATTAAA	237
45	SEQ ID NO:1314					
	SEQUENCE LENGTH: 134					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01463					
50	SEQUENCE DESCRIPTION-					

	GATCTATAGG TTTATTAGAA NCCTNACCAC AGNATCCAGA TTATCTTCAG TATTCTNTCA 60 GTACAGCTCT CTGCAGCTTA AACTCGGTGG TACATAAAGA AGATGATGAA CCCAAAATGN 120 TGGNCACTGT ATAN 134	
10	SEQ ID NO:1315 SEQUENCE LENGTH:133 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01464 SEQUENCE DESCRIPTION:	
15	GATCAGAAAA TCCCTCTGAC ATCTCCACTG CCCCCAAAGA CCTCCGTTGA ACATTCTGTA 60 TGGAAAAGAG CCCTGGAGCA TCAGGTTCCC CAGATAGGCC CCCAAATAAA GACCTGTCTA 120 TGGCTCTCCC AAA 133	
20	SEQ ID NO:1316 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01466	
25	SEQUENCE DESCRIPTION: GATCTAGCTG GCTGTAGTAT TGCNTTGATA ATTTTTTCT TTTAATTTAC CTAATATATA 60 TAAGGAAGGG GTTTGGATAT ATTAAAATAG GTGTTAATTT TATCTATTTA CCAATAAATT 120 CATCTCTTTA AA 132	
30	SEQ ID NO:1317 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01467	
35	SEQUENCE DESCRIPTION: GATCCAGCCA TTCCTGAAGC CCACCCTGCA CCTCATTCCA ACTCCTACCG CGATACAGAC 60 CCACAGAGTG CCATCCCTGA GAGACCAGAC CGTTCCCCAA TACTCTCCTA AAATAAACAT 120 GAAGCACAAA 130	
40	SEQ ID NO:1318 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01468	
45	SEQUENCE DESCRIPTION: GATCTAAAAG CCAACTTTTT CTCAGTNTTA CTCAGTGGAA AGATAAACTA AGTTTTAATG 60 TTATNTTTTT AAATNTAAGC AAAATTTATT TCTGTNCTNT AATAAATAAG AAAATGTGGT 120 CCACTGCAAA 130	
50	SEQ ID NO:1319	

5	SEQUENCE LENGTH: 129 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS01469 SEQUENCE DESCRIPTION:	acid		
10	GATCCCCTGC TCCTGTTGTG TGCTGCCTAA CTTCCCTGTG AATTTGAAA		 	 60 120 129
15	SEQ ID NO:1320 SEQUENCE LENGTH:128 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01470 SEQUENCE DESCRIPTION:	acid .		
20	GATCAGAATT TTTAAAGCAG CACTTTTCAG ATTCTCAAAG TGGGCAAA			60 120 128
25	SEQ ID NO:1321 SEQUENCE LENGTH:128 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01471	acid		
30	SEQUENCE DESCRIPTION: GATCCTTGTC AGATGAAAAT TATAGGTTTG AAAGGCTGTT AAAAGAAA			60 120 128
35	SEQ ID NO:1322 SEQUENCE LENGTH:128 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01472	acid		
40	SEQUENCE DESCRIPTION: GATCTCGAAG TNACTCCGGG TCAGGCTTTG GCCCTGCAAG CGTCGAAA			60 120 128
45	SEQ ID NO:1323 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		
50	CLONE: HUMGS01473 SEQUENCE DESCRIPTION:			

	GATCCTGAAG CNGCACTTAC	CTNTGAANAG	TCTTCAAACT	TTTAAACCTT	GCCAGTNAGG	60
	ACTITINCTA TIGCAAATAG	AAAACCCAAC	TCAACCTGCT	TAAGCAGAAA	TATTAAATA	120
	TGATTCAAA					129
5						
	SEQ ID NO:1324	•				
	SEQUENCE LENGTH: 127					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
10	CLONE: HUMGS01474					
	SEQUENCE DESCRIPTION:					
	GATCTGTGAA GTTATTTTGT	AAGGACATAC	ATTTGGTAAG	TAAGTTTGTG	TCCCAGGAAA	60
	TGTATGTNTT TTTAAACCCT					
15	CCCTAAA					127
.5					•	
	SEQ ID NO:1325					
	SEQUENCE LENGTH: 127					
	SEQUENCE TYPE: nucleic	acid			•	
20	TOPOLOGY: linear					
	CLONE: HUNGS 01475					
	SEQUENCE DESCRIPTION:					
	GATCAGAGAG ATTTTTNTTT	TAAACTACCA	TGGTCCCAGG	ATTCCATCCT	GAAATNAATT	60
25	TTCCTTTGTA TGAATATGTG					
	GAATAAA					127
						
	SEQ ID NO:1326					
	SEQUENCE LENGTH: 137					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01476					
	SEQUENCE DESCRIPTION:					
35	GATCCCCCTT CATTTGATGT	TTGGAAAATN	CCAGTAATTA	TCATTTTTGC	AACGAATATG	60
,	GATACCACAT AGTACTTTGG					
	GTGAACTATT TATGAAA	,				137
	SEQ ID NO:1327					
40	SEQUENCE LENGTH: 126					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01477					
45	SEQUENCE DESCRIPTION:					
	GATCCTCAGC CTCCCAGTGG	TCTTTGTAGA	CTGCCTGATG	GAGTCTCATG	GCACAAGAAG	60
	ATTAAAACAG TGTCTCCAAT					
	TGTAAA					126
50	SEQ ID NO:1328					

5	SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01478	acid		
10	SEQUENCE DESCRIPTION: GATCCATCTG TGTAGTTTCT TTCAGTTTCT ACACACTTTA TTTCTCAAA			60 120 129
15	SEQ ID NO:1329 SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGSO1479 SEQUENCE DESCRIPTION:	acid		
20	GATCCATGCT TTACTGTGTT ACATTTGGAA CAAAACACCA TCAAA			60 120 125
25	SEQ ID NO:1330 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1481 SEQUENCE DESCRIPTION:	•		
<i>30</i>	GATCTGTGTT GAAAGTNGTA CTAAATAGAG GTTCCCTATA CAAA			60 120 124
35	SEQ ID NO:1331 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01482	acid		
40	SEQUENCE DESCRIPTION: GATCGTTGTA ATTNNTTGAC TGTAGACACA ATCTCCTGTC TAAA			60 120 124
45	SEQ ID NO:1332 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01483	acid		
50	SEQUENCE DESCRIPTION.			

	GATCAAAAAA TGGAAATGTA TAATTAAATC ATACTTAGCA AATCTAACAC ATGAAATGTA ACATCTGCAT ATGGAGAATC GTGTTACTTT ATTGAAAAAC ATTAAANGTT TGAGANCTTA 1: AGTTGGAAA	
5	SEQ ID NO:1333 SEQUENCE LENGTH:122 SEQUENCE TYPE:nucleic acid	
10	TOPOLOGY:linear CLONE:HUNGS01484 SEQUENCE DESCRIPTION: GATCTGCCAA GATTCTTTGA ATACAGATAA TTAATGTAAA CAATTATCAT AAGTATACTA 6	60
15	ACATGTTATN CTTTTTAAAT AAGAAGGTAT AATAAAATAT CCCATTGGTT TNATGTATTA 12	
20	SEQ ID NO:1334 SEQUENCE LENGTH:122 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
25	CLONE: HUMGS01485 SEQUENCE DESCRIPTION:	50 20
	NN 12	22
30	SEQ ID NO:1335 SEQUENCE LENGTH:121 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01486	
35	SEQUENCE DESCRIPTION: GATCCAACCC TGTACTGATA GTACTTCCCA GTATGATATT GTGATGTTTC ATACAATGCA 6 GTGAACATAA CCAACTTGTT ACCTAAATAA AGANTTGATA AAAACAGTGT GACATATTAA 12 A	20
40	SEQ ID NO:1336 SEQUENCE LENGTH:120 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
45	CLONE:HUMGS01487 SEQUENCE DESCRIPTION: GATCAAGGTC TGCAAGGGAA TTCTTGTGTG CTGCTTTCCA TTTGACACCG CAGTTCTGTT 6 CAGCCATCAG AAGAGAGACA AGGNATTAAA AATTTCTTTT TAATCNNGTT ACCAAATAAA 12	30 20
50	SEQ ID NO:1337 SEQUENCE LENGTH:119	

	SEQUENCE TYPE:nucleic aci	id		
	TOPOLOGY:linear			
_	CLONE: HUMGS01488			
5	SEQUENCE DESCRIPTION:			
	GATCTAGTAG GCACGTCTGT CAA	CAGGACA CATGCCTCCT	CTGACTATAA CCTCTTAATA	60
	GTTGTGTATA ATGAAAACTG TAA			119
10	SEQ ID NO:1338			
	SEQUENCE LENGTH: 120			
	SEQUENCE TYPE: nucleic aci	d		
	TOPOLOGY:linear			
15	CLONE: HUMGS01489			
15	SEQUENCE DESCRIPTION:			
	GATCCTGAAG CCATGGTTTC TTC	CCTGCCA GAAATGAAAG	GTTCAGTTAT GAGGCAACCC	60
	TCTAGTAAGG CATTGTAAAA GTT			120
20	SEQ ID NO:1339			
	SEQUENCE LENGTH: 322			
	SEQUENCE TYPE: nucleic acid	d		
	TOPOLOGY: linear			
25	CLONE: HUMGS01490			
	SEQUENCE DESCRIPTION:			
•	GATCTTCCGA GTGCTTGGGG CCCA			
	CCCAGAGGCG CACAGCAACC TCTA			
	GCGGGCCTGT CCAGGGGCTC CCCC			
30	AAAGGGGCCC ATCCTGGGCC ATCC			
	TGCCAAGAGN CTGCCCCTGC ATT1	TGTCCTG GGAAACACGG	TATTTAAGAG AGAACTATAT	
	TGGTATTAAA GNTGGTTTGT TN			322
	CEG ID NO. 1940			
35	SEQ ID NO:1340			
	SEQUENCE LENGTH: 118 SEQUENCE TYPE: nucleic acid	1		
	TOPOLOGY: linear	1		
	CLONE: HUMGS01491			
40	SEQUENCE DESCRIPTION:			
40	GATCTTTGGA GCAAAAGCCA ACGG	ግር ለርርላል . ልልልል የልር ተ ጥጥ . (CT+CC+CTTT C+TC++CT+T	
	GTCTTTGGGT TTTTGTAAAT AATT			60
	TOTTION THIUTANI ANI	IIIAAUI UAAAIAAAAI	IGCIACITIC AATACAAA	118
	SEQ ID NO:1341			
45	SEQUENCE LENGTH: 118			
	SEQUENCE TYPE:nucleic acid	ł		
	TOPOLOGY: linear	-		
	CLONE: HUMGS01492			
50	SEQUENCE DESCRIPTION:			
	GATCAGAATN AAATNTGTAT AGAG	CAGAGT TTTAAAATGA	ATGTAAATAG CACTAAACGT	60

	NTNCTTTCTG CAACCTGTAC TTACAGATTC TCCCTGTAAA CTA	AATAAAA AAAAANTN 118
5	SEQ ID NO:1342 SEQUENCE LENGTH:118	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01493	
10	SEQUENCE DESCRIPTION: GATCACAAAA TGTGCATGAG NGTTATTNAC TTTATTCTNG TACAAACCACTCTT TTTTTTCTTC GNNGTATTGA AAACTGGTTC AGTG	
15	SEQ ID NO:1343 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear CLONE:HUMGS01494 SEQUENCE DESCRIPTION:	
	GATCAATTCA CTTAAAAGNA TGGCCCANAT AGCACNNATA GGAC TCANTTTTTA AAAACATGTA CTTGGTCTTT TGTGTGTGTC TGTT	
25	SEQ ID NO:1344 SEQUENCE LENGTH:117 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
30	CLONE:HUMGS01495 SEQUENCE DESCRIPTION: GATCCCAGGA GAGCTGGGCT ATGACTGCAA TAAGGAGTTG TTCC TTCTTTTGGT TCATTTCTGG CTTGACAACA AGAAATAAAC GTGG	
35	SEQ ID NO:1345 SEQUENCE LENGTH:119 SEQUENCE TYPE:nucleic acid	
40	TOPOLOGY:linear CLONE:HUMGS01496 SEQUENCE DESCRIPTION: GATCTTGAGG GACCCAACAT TTGTAGGGGC ACTAATCCAG CCCT	TAAATC CCCCAGCTTC 60
	CAAACTTGAG GCCCACCATC TCCACCATCT GGTAATAAAC TCAT	
45	SEQ ID NO:1346 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01497	
50	SEQUENCE DESCRIPTION: GATCAGATTT GGGTGGGAGA AAGAAGTGGG TATCAAGGGT GATT	TGAATT TTCTGCAGCA 60

	TTAAAGTGGC GTTAATAAGA	TAAGTAATAA	TAAAGAATTC	TAACATCCAT	GTCAAA	116
5	SEQ ID NO:1347 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS01498 SEQUENCE DESCRIPTION: GATCCGGTGG AAATCCAAGC AATACAAAAT ATAATNCTTT					60 116
15	SEQ ID NO:1348 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01499	acid				
20	SEQUENCE DESCRIPTION: GATCTTCTCT ATGATTGATA GCTTCTCACC ATCCCCATTA					60 115
25	SEQ ID NO:1349 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01500	acid			·	
30	SEQUENCE DESCRIPTION: GATCTTTTTG TAAAAGGACC TTAAAATTTA TTAGGNNTTT					60 118
35	SEQ ID NO:1350 SEQUENCE LENGTH:192 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01501	acid				
40	SEQUENCE DESCRIPTION: GATCCTATTT GTTTCATTTT TNGGTAAGTA AAAACAAATG TGCCTAGGCA GCAAAAAATA NAAANTNGNG NN	GTGTATTGCT	TTTCATACAA	GTGTTTTCAC	AAAAGCCATT	120
45	SEQ ID NO:1351 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE: HUMGS 01502					

	SEQUENCE DESCRIPTION: GATCTGTGGA CTTTCATCAN		TNNCTCAATT	TCATGACTGT	ACTACCTGAA	60
	ACAAAGTGAG AAAGGACAGG	TGTATTTTNN	TAAGTCATCA	AGATAAATCC	TTAAN	115
5						
	SEQ ID NO:1352					
	SEQUENCE LENGTH: 150					
	SEQUENCE TYPE: nucleio	acid:				
10	TOPOLOGY: linear					
	CLONE: HUMGS01503					
	SEQUENCE DESCRIPTION		. ma maa m	0000100011	CCTC+C+CT+	co
	GATCTTAGTT TGTAGCTTA					
	GGCGCCCAAA GCATTGTGGA			1111111111	IIIIIIINAAG	
15	CCATGNCANC CCNGANGGG	CCAGNGANTN				150
	SEQ ID NO:1353					
	SEQUENCE LENGTH: 113					
	SEQUENCE TYPE: nuclei	acid				
20	TOPOLOGY: linear					
	CLONE: HUNGS 01505					
	SEQUENCE DESCRIPTION	:				
	GATCGNNAAG AGGTTACCC		AGTTTGAGAA	AACATNCCCA	TTATNACCCA	60
25	TCTAGCAAAG AGGCACCCT					113
	SEQ ID NO:1354					
	SEQUENCE LENGTH: 113					
30	SEQUENCE TYPE: nuclei	c acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01506					
	SEQUENCE DESCRIPTION			AAACCNCACA	TTTGTATGCC	60
	GATCGGGTTT AGACGNNAG					113
35	TTAGGTCTTC TTAAAATGG	1 AICIGIAAAC	AIGIGICCAA	INIAAAANUI	AIN	113
	SEQ ID NO:1355					
	SEQUENCE LENGTH: 411					
	SEQUENCE TYPE: nuclei	c acid				
40	TOPOLOGY:linear					
	CLONE: HUNGSO1507					
	SEQUENCE DESCRIPTION	:				
	GATCCTCCCT GCCCGCGAA	G TGNACAGTT				
45	AAGTTAGGTT AAAAACCAA	A AAACTACATA	TTTTATTATAT	GAAAAAGTAT	TTTTTCTCCA	120
	CCAGACAAAT GGAAAAAAA	G AGGAAAGAT1	C AACTATTTGC	CACCGAAATGT	CTTGTTTTGT	180
	TGCGACATAG GAAAATAAC	C AAGCACAAA	TTATATTCC/	TCCTTTTAC	TGATTTTTT	240
	TTCTTCTATC TGTTCCATC	T GCTGTATTC	A TTTNTCCAAT	CTCATGTCCA	TTTTGGTGTG	300
50	GGAGTCGGGG TAGGGGGTA					
50	TCACTTGTCC ATGANAATA	T TTTATGATA	r taaggnaaa1	CTTTTGAAAA	A A	411

5	SEQ ID NO:1356 SEQUENCE LENGTH:112 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01508 SEQUENCE DESCRIPTION: GATCATGGTG TAATAAGACA GTTAAGAAGC TGTTGTACAT	TAACGTTTTT				60 112
10						
15	SEQ ID NO:1357 SEQUENCE LENGTH:112 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1509	acid				
	SEQUENCE DESCRIPTION: GATCAAGTGC ATTTGACAGA	AAAGTTCAGT	TTCTTGGGAA	GAAACACCTT	TTAAGCTGAA	60
4	TGGAGAAAAT NCCAAAATAA					112
20						
25	SEQ ID NO:1358 SEQUENCE LENGTH:112 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1510 SEQUENCE DESCRIPTION: GATCTGGGAA AAAAACAAGA		AGACAGAAGA	AAATCCCAAG	GTTCTAATAA	60
	CTNCNTTCTN AAAAANTATC	TACCCCATTT	GGTGAAGTGA	AAANCAGAAA	AN	112
30						
35	SEQ ID NO:1359 SEQUENCE LENGTH:112 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01511 SEQUENCE DESCRIPTION:	acid				
	GATCCTGGTT GGAGTAAACA					
40	GANTGCAGAA ACATCCTTAT	CACATCCTNC	TGGGAAAGNC	CAACAGCCTG	AN	112
	SEQ ID NO:1360					
45	SEQUENCE LENGTH: 112 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGSO1512 SEQUENCE DESCRIPTION:					
	GATCCATCAC CTGNGCAGCA					
50	TAAGACAAAT GGGACTCCCT	GTCATCTNGA	GCTATNCATT	TATTTAAACT	GN	112

	SEQ ID NO:1361
	SEQUENCE LENGTH:111 SEQUENCE TYPE:nucleic acid
_	TOPOLOGY: linear
5	CLONE: HUMGS01513
	SEQUENCE DESCRIPTION:
	GATCCCTTCA TTGATGTTTG GAAATTCCAT ATTACATTTT GCACGATATG GTACACATAG 60
	TACTITGGTG TACCIGCTIT TGAAAAATAA AGCTITGGTC ACCCGGTGAA A 111
10	TACTITUTE INCOLUCTI LANGUARIAN MOCITIONE MOCOULIAN N
	SEQ ID NO:1362
	SEQUENCE LENGTH: 111
	SEQUENCE TYPE:nucleic acid
15	TOPOLOGY: linear
	CLONE: HUMGS01514
	SEQUENCE DESCRIPTION:
•	GATCAGAGAA TGCAGCAGCA GTTTTTTCC TNGTTTNCTT ACCACTTTAT TCTTTCANAG 60
·	TTTAAAGAAA ATGGACTCAT GCACAGAACA CTATGCATTT NAAAACTNGT N 111
20	
	SEQ ID NO:1363
	SEQUENCE LENGTH: 111
	SEQUENCE TYPE:nucleic acid
25	TOPOLOGY: linear
	CLONE: HUNGS01515
	SEQUENCE DESCRIPTION:
	GATCGGGGGC GTANATNCAT AGTAGTTTTT ACAGCTGTGT TATTCTTTGC GTGTAGCTAT 60
30	GGAAGTTGCA TAATTATTAT TATNATTATN ATAACANGTG TGTCTTACGT N 111
	ADA 10 NA 1001
	SEQ ID NO:1364
	SEQUENCE LENGTH: 110
	SEQUENCE TYPE: nucleic acid
35	TOPOLOGY: linear
	CLONE:HUMGS01516 SEQUENCE DESCRIPTION:
	GATCTCAAAA CAGTGCTAAA ATCAAAGNTG TNGACTGTAA AGAAAAACAT GTATATATAT 60
	TGCACCTNAA AGTTGTCAGA AGNTAGAAAC TNAAATAAAC TAACTTTAAA 110
40	INDICATION AUTIGICADA AURINAMAC HANAFARAC HARCHITANA 110
	SEQ ID NO:1365
	SEQUENCE LENGTH: 109
	SEQUENCE TYPE:nucleic acid
45	TOPOLOGY: linear
	CLONE: HUMGS01517
	SEQUENCE DESCRIPTION:
	GATCCCACGC CACAGCCTTT TGNTNTGCAA CTGCCTTCTT CGGAAAGAAG AAGTGGGAGG 60
	ATGTGAATTT TAGTTCTGAG TTTACCAAAT AAAGAGATAT AAGACGAAA 109

5	SEQ ID NO:1366 SEQUENCE LENGTH:109 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01518 SEQUENCE DESCRIPTION:	
10	GATCATCTAC TCAACTACTT TAACCACCCT COCTAACTA CACTAACTAC	0
15	SEQ ID NO:1367 SEQUENCE LENGTH:236 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01519 SEQUENCE DESCRIPTION:	
20	GATCTGGGGG TTTCTTCATA TTCCTGCTGT TGGAAGCAGT TGACCAGAAA TGCTTGNCAG 60 NACTGCCAAA GCACTGCTGT GAAATGTGAA GTACTTTGTT TTTTTATTTT TAATNATTTT 120 CTTTTTGTTA TTAATATTTT TCTCTGTTCC TTTGTTATTA CTTGCATGGT TTGGCGTCAG 180 AAGTCCTTAC CTCTTTATAT TGTTTGCAGG TTTAAATAAA ACAGTGTGGT GCCAAA 230	0
25	SEQ ID NO:1368 SEQUENCE LENGTH:108 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01520	
30	SEQUENCE DESCRIPTION: GATCTTGAAG TTATTTTTAA GACATACATT TGGTAAGTAA GTTGGTCCCA GGAATGTATG 60 TNNTTNAAAC CCTTTCTAAA TATGCAGNCA TTAATAAATA ANATTGTN 108	
35	SEQ ID NO:1369 SEQUENCE LENGTH:107 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01521	
40	SEQUENCE DESCRIPTION: GATCCAACCC AAATCAAATT GTTAAATGCC CTCTTGAATT TTTTTGTCTG TTATTTAATT 60 ATATGGTGGA ATTAATAATA AAATAAACTT CATGTCTCTG ATTCAAA 107	
45	SEQ ID NO:1370 SEQUENCE LENGTH:107 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS01522	
50	SEQUENCE DESCRIPTION:	

	GATCTNGAGC TCTGTCTTCA GCAGATTTCA GGTGTAACAT TTGTTAACTC GTACTNGAAG 60 GTGTGTCCTC AAGAAGAAAG TNTTCAAATT AAAAAAGCTG CTGCAAA 107
5	SEQ ID NO:1371 SEQUENCE LENGTH:107
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO1523
10	SEQUENCE DESCRIPTION:
	GATCATGTAC ATTGTAACGT GTGTCGTCAG TACTGCAGTT CCTCAACTTT NTTTGTCTNT 60
	NATTACCATG ACATTTTTAA AGATACAGCT ATTTTNTCGA TGTNAAA 107
15	SEQ ID NO:1372
	SEQUENCE LENGTH: 286 SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
20	CLONE: HUMGS01524
20	SEQUENCE DESCRIPTION:
	GATCACATCT AAAGCTTTAT CTTTGTGTAA TCTAAGTATA TGTGAGAAAT CAGAATTGGC 60
	ATAATTTGTC TTAGTTGATA TTCAAGGCTT TAAAAGTCAT TATTCCTGGG CTTGGTAAGT 120 GAATTTATGA GATTTACTGC TCTAGAAAGT ATAGATGGCG AAAGGACCGT TTTGTATTGC 180
25	TTCCTGATTA CCAGTCTGAT TATACCATGT GTGCTAATAT ACTTTTTTTG TTATAGATTG 240
	TCTTAATGGT AGGTCAAGTA ATAAAAAAGA GATGAAATAA TTTAAA 286
	SEQ ID NO:1373
30	SEQUENCE LENGTH: 107
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY:linear CLONE:HUMGSO1525
	SEQUENCE DESCRIPTION:
35	GATCCGCGCA CCTAAGCCTC CCAAAGTNCT GGAATTACAG GCATGANCTA CCATNCCTGG 60
	CCTTCTAATG TTTTTCNTAA TTAAGGCTCT NAACTTCCAA GACTGTN 107
	SEQ ID NO:1374
40	SEQUENCE LENGTH: 106
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
	CLONE: HUMGS01526
	SEQUENCE DESCRIPTION:
45	GATCTAGAGG NGAGAAAAAG ATGANTTGCT CCTTACATTC GATAATCAGT GACCACGAAA 60
	CACTCAGACC AGAGCCTGGC TTATCAAAAA CCTTNAGTGA GNNCTN 106
	SEQ ID NO:1375
50	SEQUENCE LENGTH: 106
	SEQUENCE TYPE: nucleic acid

5	TOPOLOGY:linear CLONE:HUMGS01527 SEQUENCE DESCRIPTION: GATCCACGTG CCATTGTGGA AATATCCCTT TTTAATTAGA			GTACTTATTT	60 106
10	SEQ ID NO:1376 SEQUENCE LENGTH:117 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01528	acid			
15	SEQUENCE DESCRIPTION: GATCCTGAGC TCCCTTTGCA TAAANGCCTC TGGTAGCAAT				60 117
	SEQ ID NO:1377 SEQUENCE LENGTH:105 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01529	acid			
25	SEQUENCE DESCRIPTION: GATCCAGCAA ACAGGTTCTN TTCTTATTCA AAGCATCAAT			TAAAATGGAC	60 105
30	SEQ ID NO:1378 SEQUENCE LENGTH:105 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1530	acid			
35	SEQUENCE DESCRIPTION: GATCAGCAAA ATGAGATAAA ACTCAGCATT AAAAAGCTAT			ATCAGATACA	60 105
40	SEQ ID NO:1379 SEQUENCE LENGTH:105 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01531	acid			
45	SEQUENCE DESCRIPTION: GATCTAACAC GAGGAACATA CTTTCAAGGG CTAAGNTGCA			GTTATGAGTT	60 105
50	SEQ ID NO:1380 SEQUENCE LENGTH:105				
	SEQUENCE TYPE: nucleic	acid			

5	TOPOLOGY:linear CLONE:HUMGSO1532 SEQUENCE DESCRIPTION: GATCAGGTTA CATGAGGGNT CACTCTTCTT GTTGTACANN CTGTGAGTTC GGGCA GTAATGGCAT ATCTCCACTA TTACAGTNTC ACACAGAATT ATTTN	AATNT 60 105
10	SEQ ID NO:1381 SEQUENCE LENGTH:332 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01533	
15	SEQUENCE DESCRIPTION: GATCGGTGCG TTCTCCTGAT GTTTTNCCNT GGCTTGGGGA TTGTACACGG GACCA CGTAATGCAT TGCCTGTAAC AATGTAATAA AAAGCCTCTT TCTTTTTGGG GTGGN TCCTTCTGTC AGCTAAAATG GGAGCTCATG AGAGAAGGAC GTCAGGGAAA CGGGG GGTGGTCTCG GTGCAGAGAG AAGGGTGTCA GGGAAACGGG GGGTGAGGGT GGTCT	NNTTG 120 TTGAG 180
20	CCAGACGTAG GGAATGGTGT TGGGAGTGGC CCGAGTGCCT GGCACAGTTG TCTNG TCATGTAACA TGATAATTTT TAAATCATTA AA	-
25	SEQ ID NO:1382 SEQUENCE LENGTH:157 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01534 SEQUENCE DESCRIPTION: GATCCTGCTG CTGTAATGGG AACCCCTCCC CCATTTACTT CTCCACCTCC CGTCC	
35	CCCTTTCAC AGAGAAATAA AGGTCTAGAA GTAGAAA SEQ ID NO:1383 SEQUENCE LENGTH:103 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS01535	157
40	SEQUENCE DESCRIPTION: GATCTACTGT TTGTTGAAGT GTGGGAAAAT AGCCTCTCTA AGGCAGCCCA GATGG AAATCAGTAC AAACATATTT AAGTAAATTT TAAAATGCGT AAA	GACCA 60 103
45	SEQ ID NO:1384 SEQUENCE LENGTH:284 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01537	
50	SEQUENCE DESCRIPTION: GATCCCCTTG TCCCTGGAGT AGGGACTAAC TATAGCACAA AGTAATATGT GCCAA	TGCTA 60

	TTTGTGAAAT GTTTGGGCTT	TCTAAACGAC	TAAAGGATTT	GTNGGGTTTT	TNCTTAAGTT	120
	TTGAACCAAA TCCTAGAGCC					
	GTACCANTAA GTGGAGATTC	CTCCTTATGA	TGTATGCTAG	GTTATGGAAG	ATGTAAAATA	240
5	TTCAACTTTT TCCTNCGTTT	TTTGGACTTT	GTATTTTACT	GNAN		284
J						
	SEQ ID NO:1385					
	SEQUENCE LENGTH: 103					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear					
	CLONE: HUMGS01538					
	SEQUENCE DESCRIPTION:					
	GATCTGGAAC TCCTAAGCCA				NCACACCCTN	60
15	CTNATGCTCA GAGCTCAACT	CCTAGTACCC	CTTCAGCCAC	CCN		103
	SEQ ID NO:1386					
	SEQUENCE LENGTH: 104					
•	SEQUENCE TYPE:nucleic	anid				
20	TOPOLOGY: linear	aciu				
	CLONE: HUMGS01539					
	SEQUENCE DESCRIPTION:					
	GATCGCCGTT CTGTTTNGCA	TNNTCCCACC	GGGAGTTGCC	NGGCAGGAGC	ATGGGGTGCT	60
0.5	TGGTTGTTTC CTTCCTAATA					104
25						
	SEQ ID NO:1387					
	SEQUENCE LENGTH: 102					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear					
	CLONE: HUMGS01540			•		
	SEQUENCE DESCRIPTION:					
	GATCTTAGCC TTAGGGTAAG				AAACTATTTC	60
35	NATCTAATAG TACTCTTTTN	AATAAAAGTC	AGTAGTNGGA	AA		102
	470 In wa 4555					
	SEQ ID NO:1388					
	SEQUENCE LENGTH: 378					
40	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear CLONE: HUMGS01541					
	SEQUENCE DESCRIPTION:					
	GATCCINGGT TITTGTGGTT	TC & CTTCT & T	CCNCTTTTAA	AAAAACACAG	ለ ተጥጥተተ ለ ር ጥር	60
	TTAATATTGT GTAAATGTAC					60 120
45	ATTGTNTACA GTTTGTGAAA					
	ATTACAATGC TCTAGAATCA					
	GTGGATGGGG GGAGCACGCA					
	AAANGCTTTT TTNCTCCNGT					
	TGTAAGGGGN ACATGAAA					378

5	SEQ ID NO:1389 SEQUENCE LENGTH:102 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01542 SEQUENCE DESCRIPTION:	acid			
10	GATCGTAACC GTAACCGTAA CAGGNATGAG NCCCGAGGTG			GTGAGCGGGG	60 102
15	SEQ ID NO:1390 SEQUENCE LENGTH:102 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01543	acid			
20	SEQUENCE DESCRIPTION: GATCCAGAGG TCCNNGTCAC GTCCCTCGGG CAGCTCGTGT			AGCCCTCTNT	60 102
25	SEQ ID NO:1391 SEQUENCE LENGTH:101 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01544	acid			
30	SEQUENCE DESCRIPTION: GATCTCAGCA ATTTGAACAC GTCTGCAGAA AATAAATATT			TCCGAAGTCA	60 101
35	SEQ ID NO:1392 SEQUENCE LENGTH:101 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01545	acid			
40	SEQUENCE DESCRIPTION: GATCTACTCA GGCAACNACC AAGAAATNNA CATACATGGA			TGCATTNTTA	60 101
45	SEQ ID NO:1393 SEQUENCE LENGTH:101 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01546	acid			
50	SEQUENCE DESCRIPTION: GATCCTAGGA AGTNTGTCCC TTCGAATTCT NTTTCCCTTG			TGACCTGGAA	60 101

	SEQ ID NO:1394 SEQUENCE LENGTH:100					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY: linear					
	CLONE: HUMGS01547					
	SEQUENCE DESCRIPTION:					
	GATCCACGTG CCATTGTGGA	GGAGAGAAAG	AGAAGTGTTT	ATATACGGTA	CTTATTTATA	60
10	TCCCTTTTAA TTAGAATTAA	AACAGTTAAT	TTAATTCAAA			100
	SEQ ID NO:1395					
	SEQUENCE LENGTH: 100					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUNGSO1548					
	SEQUENCE DESCRIPTION:					
. = .	GATCTTAGGT TACATAAAGT			TTGATACAAA	ATCAGTTTAT	60
20	ATTCTGAAAA TATTTATAAT	AAAGTATTCT	AATTTCTAAA			100
	OPO ID NO. 1000					
	SEQ ID NO:1396					
	SEQUENCE LENGTH: 98					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25						
	CLONE: HUMGS01549					
	SEQUENCE DESCRIPTION:	TO CTOTTO	1000000000	A C A TTTCTTT		00
	GATCAATTCT TCAATTTGAT			AGALLICITI	AIIIACAAAI	60
30	GATTACATTT AAATGAATGT	ACATICITCI	CACIGAAA			98
	SEQ ID NO:1397					
	SEQUENCE LENGTH: 98					
•	SEQUENCE TYPE: nucleic	acid	•			
.35	TOPOLOGY: linear	acru				
,00	CLONE: HUMGS01550					
	SEQUENCE DESCRIPTION:					
	GATCTGTAAC ATTTGTTTCA	AAATGCTGTT	TCATTTTTAT	AAAGTACCAG	TGTTTAGCTG	60
	CTTTTTATAC ATTAAATTAG					98
40		0.0	.2.010.02.			•••
	SEQ ID NO:1398	,				
	SEQUENCE LENGTH: 98					
	SEQUENCE TYPE: nucleic	acid				
45	TOPOLOGY:linear			•		
	CLONE: HUMGS01551					
	SEQUENCE DESCRIPTION:					
	GATCCTCAGT GTCCTTACCC	CCTCCTACCT	CTTTTCTGTG	CCACCTGCTG	TGGGTCCAGC	60
	AGGCNTTTAC TTGAGTACAA	TAAAAAGTCT	GAGTCAAA			98

5	SEQ ID NO:1399 SEQUENCE LENGTH:98 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01552	
10	SEQUENCE DESCRIPTION: GATCCAAGTG TAGTGGGACC CCCTACTAGG GTCAGGAAGT GGACACTAAC ATC GTGTTGACTT GAAAAATAAA GTGTTGATTG GCTAGAAA	TGTGCAG 60
10		
	SEQ ID NO:1400 SEQUENCE LENGTH:104	
	SEQUENCE TYPE: nucleic acid	
15	TOPOLOGY: linear	
15	CLONE: HUMGS01553	
	SEQUENCE DESCRIPTION:	
	GATCTCCAAA GTGGTGAGTT TATGTGTGAT TTTTATTTTG TTTATGCTCT TCT	GTATTTT 60
	CCGAATTTCA TACAATAAAT ATCTGTTACT TTTACAATAT GAAA	104
20		
	SEQ ID NO:1401	
	SEQUENCE LENGTH: 94	
	SEQUENCE TYPE: nucleic acid	
25	TOPOLOGY:linear CLONE:HUMGS01554	
	SEQUENCE DESCRIPTION:	
	GATCCAGAGA GTTCAAGGGA TTGGGGAAAG AGAGGCGTCA AGTCATTTGC ACT	TTGTACC 60
	TGTAAGTTAG GTAATAAACT ATTATACTCG TAAA	94
30		34
	SEQ ID NO:1402	
	SEQUENCE LENGTH: 92	
	SEQUENCE TYPE: nucleic acid	
35	TOPOLOGY: linear	
	CLONE: HUMGS01555	
	SEQUENCE DESCRIPTION:	
	GATCTAGTNT CTNGCATTTT TATTATGTTG CTATATACTT TTGTTATCCG TATA	ACTAAAA 60
40	AAAAAGAATA AATAAATGTT TTGATTGTTA AA	92
40		
	SEQ ID NO: 1403	
	SEQUENCE LENGTH:92 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
45	CLONE: HUMGS01556	
	SEQUENCE DESCRIPTION:	
	GATCTNTACA TTCTTCAGAC TCATCGTGTG TTTGANACTT TTTATAATGA ACA'	TATATCA 60
	TTTTNNTTAG AAAAGAATAA AGTTTTTGAA AA	92

5	SEQ ID NO:1404 SEQUENCE LENGTH:119 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01557 SEQUENCE DESCRIPTION: GATCCTCTGG GGAAGCCAGG	ACCAGGAGAG				
	GTATTAAAGA AATNACTTAT	TTCTACTCAA	AATAAATGGC	ATTGAAGTCT	TTCTTTAAA	119
10 15	SEQ ID NO:1405 SEQUENCE LENGTH:90 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01558	acid				
	SEQUENCE DESCRIPTION: GATCTTGTGT CTCCTCTCA TTTAATAAAA TATTGACTCG		TGTTACCAGT	GTGCATGTGT	TTGTGTGTTT	60 90
20	SEQ ID NO:1406 SEQUENCE LENGTH:90					
25	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01560 SEQUENCE DESCRIPTION:	acid				
• .	GATCTGTTAT GGCATTCACT CTTTACAGAA TAAAACATCT		TTTTCCGTGT	TTGAAGTATG	TNCATATGTN	60 90
30	SEQ ID NO:1407 SEQUENCE LENGTH:87 SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear CLONE:HUMGS01561 SEQUENCE DESCRIPTION: GATCCATTT CTTTCAAAAT TTTATTAAAT CAGAATGTTT		GTAAAGTATG	CAAAATATAT	ATTCATACGA	60 87
	SEQ ID NO:1408 SEQUENCE LENGTH:85 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE:HUMGS01562 SEQUENCE DESCRIPTION: GATCTGGAAT CCTTTTTCTG ACTCATTAAA ATCTCAAAAC		GACCACAGCT	AAAGGACAAT	AATATGAATG	60 85

	SEQ ID NO:1409	
	SEQUENCE LENGTH:85	
	SEQUENCE TYPE: nucleic acid	
5	TOPOLOGY:linear	
Ü	CLONE: HUNGS01563	
	SEQUENCE DESCRIPTION:	
	GATCCAAGTT ATNTTNAGAA GAAAAACCTA ATTGAACAGG TATGGGTTGG GAGCATAATA	60
	AATGTGTTTT GAGAATTGTT CTAAA	85
10		
	SEQ ID NO:1410	
	SEQUENCE LENGTH:84	
	SEQUENCE TYPE:nucleic acid	
15	TOPOLOGY: linear	
	CLONE: HUMGS01564	
	SEQUENCE DESCRIPTION:	
		60
	CACAATAAAT CACCATTONO MAAA	84
20		
	SEQ ID NO:1411	
	SEQUENCE LENGTH: 84	
	SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY: linear	
	CLONE: HUMGS01565	
	SEQUENCE DESCRIPTION:	
		60
	ATAAACACTT GTTGAACCAT CAAA	84
30		
	SEQ ID NO:1412	
	SEQUENCE LENGTH:86	
	SEQUENCE TYPE: nucleic acid	
35	TOPOLOGY:linear	
	CLONE: HUNGS01566	
	SEQUENCE DESCRIPTION:	
		60
	CATTAAAAGT NCCCATTTNA GTTAAA	86
40	470 to 10 10 110	
	SEQ ID NO:1413	
	SEQUENCE LENGTH: 83	
	SEQUENCE TYPE:nucleic acid	
45	TOPOLOGY: linear	
	CLONE: HUNGSO1567	
	SEQUENCE DESCRIPTION:	
	CARLALANA MARKAMAN MARKAMAN AND AND AND AND AND AND AND AND AND A	60
	GATAAAATAA TTTCTCACCT AAA	83
50		

	SEQ ID NO:1414 SEQUENCE LENGTH:83 SEQUENCE TYPE:nucleic acid	
5	TOPOLOGY:linear CLONE:HUMGS01568 SEQUENCE DESCRIPTION:	
•	GATCAGCAGT CCACCACAAA AGCTTCTGTT AAAAGACCCT ACACAAATGC ACAAATTCAG	
10		83
	SEQ ID NO:1415	
	SEQUENCE LENGTH: 83	
	SEQUENCE TYPE: nucleic acid	
15	TOPOLOGY: linear	
	CLONE: HUMGS01569	
	SEQUENCE DESCRIPTION:	
	GATCTTGGTG TTCAAAACAG AACTGTATTT TTGCCTTTAA AATTAAATAA TATAACGTGA	60
20	ATAAATGACC CTATCTTTGT AAA	83
	SEQ ID NO:1416	
	SEQUENCE LENGTH: 82	
	SEQUENCE TYPE: nucleic acid	
25	TOPOLOGY: linear	
20	CLONE: HUMGS01570	
	SEQUENCE DESCRIPTION:	
	GATCCTTCTG TAAAGGTTTT TGGAATTATG TCTGCTGAAT AATAAACTTT TTTGAAATAA	60
	TAAATCTGGT AGAAAAATGA AA	82
30		0.5
	SEQ ID NO:1417	
	SEQUENCE LENGTH:86	
	SEQUENCE TYPE:nucleic acid	
35	TOPOLOGY:linear	
	CLONE: HUMGS01571	
	SEQUENCE DESCRIPTION:	
	GATCTGCATA TTTCTGTATA TTTGTCATGA CAGTGCTTGC ATCCTATTTG GTGTACTCAG	60
40	UNINITARICI TITCHITTIA AACAAA	86
	SEQ ID NO:1418	
	SEQUENCE LENGTH: 81	
	SEQUENCE TYPE:nucleic acid	
45	TOPOLOGY:linear	
	CLONE: HUNGS01572	
	SEQUENCE DESCRIPTION:	
	GATCCCAACA TGGTCCTAGC ACTGCACACT CAGTTTTNCT CTAAGAAGCT GCAATAAAGT	60
50	TTTTTNAACT CACTTCTA	81
	•	

5	SEQ ID NO:1419 SEQUENCE LENGTH:81 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO1573	
10	SEQUENCE DESCRIPTION: GATCTTCANT TAATCNCACT TTAAAAATGA CCAAAACATG TCTTTCTTGA ATTAACTTTG AATAAAAGTT TGTATATTAA A	60 81
15	SEQ ID NO:1420 SEQUENCE LENGTH:81 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGSO1574	
. 20	SEQUENCE DESCRIPTION: GATCAGAGCT CAGTTCCTGT AGAAAACGAA CTGTAAAAGA CCATGCAAGA GGCAAAATAA AACTTGAAGT GAATGCTTAA A	60 81
25	SEQ ID NO:1421 SEQUENCE LENGTH:80 SEQUENCE TYPE:nucleic.acid TOPOLOGY:linear CLONE:HUMGSO1575 SEQUENCE DESCRIPTION: GATCTTGGGT TTGGTCTACC CACCCAAGAG AAAAGACTGT TAACTGGAAG AAAAAATATA	60
30	TATATNNAAT TTTATGTAAA	80
35	SEQ ID NO:1422 SEQUENCE LENGTH:79 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01576	
40	SEQUENCE DESCRIPTION: GATCACAATT ACCTTTAGTT GTTTTTTTTG TAATAATTGT AGCCAAGTAA ATCTCCAATA AAGTTATCGT CTGTACAAA	60 79
45 .	SEQ ID NO:1423 SEQUENCE LENGTH:79 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO1577 SEQUENCE DESCRIPTION.	
+	SEQUENCE DESCRIPTION: GATCCTTATG AATGACAGGT TACTGTTTTG CCTTATTGCT TAACTTAATG TAGTGAAATA AAGCAGACAA AGCTTGAAA	60 79

5	SEQ ID NO:1424 SEQUENCE LENGTH:79 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10		60 79
15	SEQ ID NO:1425 SEQUENCE LENGTH:78 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01579	
20		60 78
25	SEQ ID NO:1426 SEQUENCE LENGTH:78 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01580	
30	SEQUENCE DESCRIPTION: GATCTAAATT TCTAATGTGT TCTATGGGTT TCAATTCTGA AAAAAGAAAA TGAATAAAGA	60 78
35	SEQ ID NO:1427 SEQUENCE LENGTH:78 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40		60 78
	SEQ ID NO:1428 SEQUENCE LENGTH:77 SEQUENCE TYPE:nucleic acid	
45	TOPOLOGY:linear CLONE:HUMGS01582 SEQUENCE DESCRIPTION: GATCTCCAGG CTTGGCCTCC AGAGCAGCCC ACACCAACNC CAAAATAAAA AAATGTATAT	60
	ATTCCTTTAG CTCTAAA	77

5	SEQ ID NO:1429 SEQUENCE LENGTH:76 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01583	acid				
10	SEQUENCE DESCRIPTION: GATCCCAGGG ACCTCAGTCG AGTCATTTGC AGTAAA	GCTTAATCAG	AGTGTGGCAT	AGAAGCTATT	TAATGATTAA	60 76
15	SEQ ID NO:1430 SEQUENCE LENGTH:76 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1584	acid				
20	SEQUENCE DESCRIPTION: GATCAAACTT TTNATGTTCT GGTGAAATAA TATAAA	TAATAAGCTT	GCAATTGANT	AAAATAGAAT	ATAAAATAAA	60 76
25	SEQ ID NO:1431 SEQUENCE LENGTH:79 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid	·			
30	CLONE:HUMGS01585 SEQUENCE DESCRIPTION: GATCCCAAGT ACAATGAAAA AACCTGTTTG TTTTACAAA	GTTTGCACTG	TATGCTGGAC	GGCATTCCTG	CTTATCAATA	60 79
35	SEQ ID NO:1432 SEQUENCE LENGTH:75 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01586	acid				
. 40	SEQUENCE DESCRIPTION: GATCTCCAAC NTTGGAAAAT A TGTATGATAA CTAAA	ATACATGATG	TGAAACTGNG	GGTNCTATGT	TAAAAATAAA	60 75
45	SEQ ID NO:1433 SEQUENCE LENGTH:74 SEQUENCE TYPE:nucleic : TOPOLOGY:linear CLONE:HUMGSO1587 SEQUENCE DESCRIPTION:	ac i d				
	GATCCAAACA TTTTTTTGTG (TGTGTATGGC	ATTGATGCAG	AATAGAATAA	AATTATACTT	60 74

	SEQ ID NO:1434					
	SEQUENCE LENGTH: 73					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY: linear					
	CLONE: HUMGS01588					
	SEQUENCE DESCRIPTION:					
	GATCCCGGCG CGGGAAAGTC	ACAGAGCTGC	CTGGGCTTGT	ACCTGGNCAC	ATAAAGCCCC	60
10	ANTTTAAAGC AAA					73
	SEQ ID NO:1435					
	SEQUENCE LENGTH: 73					
	SEQUENCE TYPE:nucleic	aaid				
	TOPOLOGY: linear	aciu				
15	CLONE: HUMGS01589					
	SEQUENCE DESCRIPTION:					
	GATCCCANAG CNATAAAATA	AAATTTTATT	ССААААТААС	114447444A	NATOTACTOT	60
	ACACAATCTG AAA			MADIONALI	MAICIACIGI	73
20						13
	SEQ ID NO:1436					
	SEQUENCE LENGTH: 72			•		
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear					
	CLONE: HUMGS01590					
	SEQUENCE DESCRIPTION:					
	GATCCCAGGC TTCTGCGGAC	CGACGATACG	TTTAAATGTT	GTTCTAGTAA	AGTTTTCGAT	60
30	ATGTTTCTGA AA				•	72
30						
	SEQ ID NO:1437					
	SEQUENCE LENGTH: 71					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear					
	CLONE: HUMGS01591 SEQUENCE DESCRIPTION:					
	GATCCCTTGG NGGNCTAGTT	<u> </u>	TNTT & & & CT &	**************************************	T. I. I. C. C. C. I. C.	co
	TTGCTAATAA A	COLATITIO	INTIAAACTA	IIIGIIAGAA	IAAAGIAATI	60
40	IIOUIANIAA A			•		71
	SEQ ID NO:1438					
	SEQUENCE LENGTH: 70					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY: linear					
	CLONE: HUNGS01592					
	SEQUENCE DESCRIPTION:					
	GATCTTAAGT ATAAAAATTT	TGTAATTGGG	CCTTTACTCT	CTCAATAATA	AAGTATTTTG	60
	TTTATATAAA					70
50						

5	SEQ ID NO:1439 SEQUENCE LENGTH:68 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01593	
10	SEQUENCE DESCRIPTION: GATCTGTATT TTCTAAGTCC CCAGTTCTCC TGGCTCTCCT TTCTGAAATA AAGGATTGAA AACNGAAA	60
15	SEQ ID NO:1440 SEQUENCE LENGTH:67 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01594	
20	SEQUENCE DESCRIPTION: GATCTGTTTT TAAAAATCAT AAACTGTGTG CAGACTCAAT AAAATCATGT ACATTTCTGA AATGAAA	60 67
25	SEQ ID NO:1441 SEQUENCE LENGTH:71 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01595	
30	SEQUENCE DESCRIPTION: GATCAACAGT TACTGTNACT GAGTCGGCCC ATTCTGTTTA GAAATATATT TNAAATGTTT AGTAATTGAA A	60 71
35	SEQ ID NO:1442 SEQUENCE LENGTH:66 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40	CLONE:HUMGS01596 SEQUENCE DESCRIPTION: GATCTGCCAT TTCATGCCNT GTGACTACNN ATCATTGGCC CTGCAATAAA ATCATTTATT TTTAAA	60 66
45	SEQ ID NO:1443 SEQUENCE LENGTH:64 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01597	
	SEQUENCE DESCRIPTION: GATCCTGCAT GCTACTCTTA GATAGAAGAT GGCAAAACCA TGGTATTAAA ATATGAATGA TAAA	60 64

5	SEQ ID NO:1444 SEQUENCE LENGTH:64 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01598	
10	SEQUENCE DESCRIPTION: GATCAAGTCA CTNTTGACAA CATCCAGGNG AATATAAAAA CTTAATAAAG CTGTGGAAAG GAAA	60 64
15	SEQ ID NO:1445 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO1599	
20	SEQUENCE DESCRIPTION: GATCAATTGG TTTAACTTCT TTTATGTAAG TATGGTATAT AAATTTCAAG ACGAACACTA AA	60 62
25	SEQ ID NO:1446 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01600	
30	SEQUENCE DESCRIPTION: GATCACTTTT CACTITITGG AATGITTTGT ATTGAAACTT AATAAAACTT TAACATGGCA AA	60 62
35	SEQ ID NO:1447 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01601 SEQUENCE DESCRIPTION: GATCGNTCTC AGGCCCTCCC CCCGGAGTAC TTCAGAATGC AATAAATCAA AATAATGGCA	60 62
45	SEQ ID NO:1448 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01602 SEQUENCE DESCRIPTION:	
50	GATCTGTATG TGTTCTATTC AGCACAAGGA AATAAAATTT TAGTTGAGGA TTCAGCACTA	60 62

5	SEQ ID NO:1449 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01603	
10	SEQUENCE DESCRIPTION: GATCCCCATT CTTTTCAAAA ACAAAATAAA ACAATAAAGA CTGCAAGGAA GACTGANGGA AA	60 62
	SEQ ID NO:1450 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE: HUMGS01604 SEQUENCE DESCRIPTION: GATCCAGTCT GGAATAACAT TTTGTAAAAA AAAAATATAT ATATATATAT ATATNGCTGA	60
: 20	AA	62
	SEQ ID NO:1451 SEQUENCE LENGTH:61 SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY:linear CLONE:HUMGSO1605 SEQUENCE DESCRIPTION: GATCGGGGGC ACCAGAGGGG CAGAGGCACC AACATCTGAA TAAAGCCATT GTTCTCCCAA	60
30	A	61
35	SEQ ID NO:1452 SEQUENCE LENGTH:61 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE:HUMGS01606 SEQUENCE DESCRIPTION: GATCTTGGAC NTCTCGCATT CAGAACTGTG AGAAATAAAT ATCTATTATT TACAAATTAA A	60 61
40		01
45	SEQ ID NO:1453 SEQUENCE LENGTH:60 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01607	
	SEQUENCE DESCRIPTION: GATCTCCGTC TTGTATGGCT GAATGTTGGC CTAAAATAAA GATTACTGTT GTAAAATAAA	60

5 .	SEQ ID NO:1454 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01608	
10	SEQUENCE DESCRIPTION: GATCTGTGGA GAATGTACAC AGTTTAAACA CATCAATAAA TACTTTAACT TCCACCGAGA AA	60 62
15	SEQ ID NO:1455 SEQUENCE LENGTH:72 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01609	
20	SEQUENCE DESCRIPTION: GATCAAGAAT CCTGCTCCAC TAAGAATGGT GCTAAAGTAA AACTAGTTTA ATAAGCAAAA AAAAAAAACCA AA	60 72
	SEQ ID NO:1456 SEQUENCE LENGTH:59 SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY:linear CLONE:HUMGS01610 SEQUENCE DESCRIPTION: GATCTAGATG TTTCTTTAAC CAAGATGAAT TAAAATATAG TAGAGTTCCA CTGTNCAAA	59
30	SEQ ID NO:1457 SEQUENCE LENGTH:63 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
35	CLONE: HUMGS01611 SEQUENCE DESCRIPTION: GATCAAATTG TACCTTTTTA GAGAAAAGGA CCAAAATAAA AGAAAAATGA ATTATGAACT AAA	60 63
40	SEQ ID NO:1458 SEQUENCE LENGTH:59 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
45	CLONE:HUMGS01612 SEQUENCE DESCRIPTION: GATCAGCAGT CTTGGATGGN AGGNAACAAA GCTAAATAAA TGTTAGTTTG GTGAGCAAA	59
50	SEQ ID NO:1459 SEQUENCE LENGTH:65	

	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01614 SEQUENCE DESCRIPTION:	
5	GATCTCCCTT ATATTCTTAT GATGAGGCTA AATAAAAGTC TAATAAAAAT GTTAAATATG TGAAA	60 65
10	SEQ ID NO:1460 SEQUENCE LENGTH:56 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01615	
15	SEQUENCE DESCRIPTION: GATCAAAATC AAGTTTTAAG TTTTTTTGAC CAGATAAATT TAATGATTTT GGCAAA	56
20	SEQ ID NO:1461 SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO1616	
25	SEQUENCE DESCRIPTION: GATCTTAATT ACTITCAGAA TATTTTCAAA ATAGATATAT TITNAAAATC CITACAAA	58
30	SEQ ID NO:1462 SEQUENCE LENGTH:55 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGSO1617 SEQUENCE DESCRIPTION:	
35	GATCGTTCTT CTCTCCGTAT TGGGGAGTGA GAGGGAGAGA ACGCGGTCTG AGAAA SEQ ID NO:1463	55
	SEQUENCE LENGTH: 55 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear	
	CLONE: HUMGSO1618 SEQUENCE DESCRIPTION: GATCCCTGAG ACGGGGTAAG TTATAATAAA CAGAAATGTA TTGGCTCAGA AGAAA	55
45	SEQ ID NO:1464 SEQUENCE LENGTH:55 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE:HUMGS01619 SEQUENCE DESCRIPTION:	

	GATCTGTTAT GTATTTCAAC ATAATCATGT TTCATAAAGA TTTAGTCTTC TGAAA	55
	SEQ ID NO:1465	
5	SEQUENCE LENGTH: 56	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS01620	
10	SEQUENCE DESCRIPTION:	
	GATCCCACCT TTGCTCCTGA CAACCCTCAT TTCAATAAAG ACCAGTGAAG ACCAAA	56
	SEQ ID NO:1466	
	SEQUENCE LENGTH: 54°	
15	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGSO1621	
	SEQUENCE DESCRIPTION:	
20	GATCAGAATC CTGCTCCACT AAGAACGGTG TAAAGTAAAT TAGTTATAAG CAAA	54
	SEQ ID NO:1467	
	SEQUENCE LENGTH: 63	
	SEQUENCE TYPE: nucleic acid	
25	TOPOLOGY:linear	
	CLONE: HUNGS01622	
	SEQUENCE DESCRIPTION:	
	GATCTTGAGC CTTAACTGGA CATGAGGGGC ATGAAAATAA AGCTGAACTG CAGCCTCCTG	60
30	AAA	63
30		
	SEQ ID NO:1468	
	SEQUENCE LENGTH: 54	
	SEQUENCE TYPE:nucleic acid	
35	TOPOLOGY:linear CLONE:HUMGS01623	
	SEQUENCE DESCRIPTION:	
	CAMPARTER AAAMARA DE ACCESSOR DE LA CAMPA DEL CAMPA DE LA CAMPA DE LA CAMPA DEL CAMPA DE LA CAMPA DEL LA CAMPA DE	54
	SHOULD BE STOLEN THE STOLEN STANDS OF THE STOLEN STANDS	34
40	SEQ ID NO:1469	
	SEQUENCE LENGTH: 54	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
45	CLONE: HUNGSO1624	
	SEQUENCE DESCRIPTION:	
	GATCTGTATA TTTTTTCTA AGAGAAAATG TAAATAAAGG ATTTCTAGAT GAAA	54
	SEQ ID NO:1470	
50	SEQUENCE LENGTH: 54	

	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01625	
5	SEQUENCE DESCRIPTION:	
	GATCTGCGCA TATATATATA TGTATAAAAA ATAATAAAAT AATGGAAGNT GAAA	54
	SEQ ID NO:1471	
10	SEQUENCE LENGTH: 54	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear CLONE:HUMGS01626	
	SEQUENCE DESCRIPTION:	
15	GATCCTAAAT NCACGCACCC CGTGGGAGCN CAATAAAGAT TTACTGAATT GAAA	54
	SEQ ID NO:1472	
	SEQUENCE LENGTH: 53	
20	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS01627	
	SEQUENCE DESCRIPTION:	
25	GATCCGCCAT CTGTAATGTC CTTGGCACAA TAAAACCAAA TGTCAGTTTC AAA	53
	SEQ ID NO:1473	
	SEQUENCE LENGTH: 52	
	SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY:linear	
	CLONE: HUMGS01628	
	SEQUENCE DESCRIPTION:	
	GATCCCTAGT GATTACAGCC CTGAAGAAAA TTAAATCTGA ATTAATTTTA AA	52
35	SEQ ID NO:1474	
	SEQUENCE LENGTH: 52	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear CLONE:HUNGS01629	
40	SEQUENCE DESCRIPTION:	
	GATCCAGTGT GGATTCTTNG AGTAATAACG TTGGTTTTAT TTATCATATA AA	52
	SEQ ID NO:1475	
45	SEQUENCE LENGTH: 52	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	-
	CLONE: HUMGS01630	•
50	SEQUENCE DESCRIPTION:	
	GATCTTCAAT GTTTATTTTA AAATAAAATA AAATAAGTTC TTGACTTTTA AA	52

5	SEQ ID NO:1476 SEQUENCE LENGTH:56 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01632 SEQUENCE DESCRIPTION:	acid				
	GATCTTGAAT GAAAGTCTTC	TCAGGCTGTA	GGGTGGTTCC	TACAACCACA	GCCAAA	56
10	SEQ ID NO:1477 SEQUENCE LENGTH:51 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS01633 SEQUENCE DESCRIPTION: GATCTCATCT GAATCCCCAA	CACCCAATAA	AGTTCCTTTT	TAACACACAA	A	51
20	SEQ ID NO:1478 SEQUENCE LENGTH:55 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01642	acid	•			
25	SEQUENCE DESCRIPTION: GATCAAAATC CTATTTAGAA	AAAATAAAAC	TACTTTCTGT	TTATCTCTTT	AGAAA	55
30	SEQ ID NO:1479 SEQUENCE LENGTH:34 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1671	acid				
35	SEQUENCE DESCRIPTION: GATCCAAAAA CATCCGTGAA	сстстстстс	TAAA			34
40	SEQ ID NO:1480 SEQUENCE LENGTH:305 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGSO1673 SEQUENCE DESCRIPTION:					
45	GATCAAAATA AAGGATGATA ATTTATAGAA AAACTGGGAA CTTCCCAGGG GTAAGCACTG ATATATACAT ATATATTTT	ATACAGGTAC TTACCAATTT AACCAAAATG	CCAAAGAGTA AGCATATGTC AATCATTACT	AATCAACATC CTTGCAGAAT CTATGTTGTT	TGTATACCCC TTTTTTTTCT TTACTATTTG	180 240
50	TTTGACATAT CAGTATATCT	GAAACACCTT	TTCATGTCAA	TAAATGTTCT	TCTCTAACAT	300 305
50						

	SEQ ID NO:1481	
	SEQUENCE LENGTH: 734	
	SEQUENCE TYPE: nucleic acid	
5	TOPOLOGY: linear	
	CLONE: HUMGS01686	
	SEQUENCE DESCRIPTION:	
	GATCCAGCCC ATTCTCTACT CTTACTCCTT TCATGGGCCA CCAGAGCCAG TACTCTTGGA	
	TAGCAGCAGC ATTCTAGCTG ACAGAATTTT GCTGATGGAT ACTTTCTTC AAATTGTCAT	6(
10	TTATCTTGGT GAGACCATAG CCCAGTGGCG TAAAGCTGGC TACCAGGACA TGCCCGAGTA	120
	TGAAAACTTC AAGCACCTTC TGCAGGCACC ACTGGATGAT GCTCAAGAAA TTCTGCAAGC	180
	ACGUTTCONG ATGCCACGTT ACATCAACAC GGAGCATGGA GGCAGTCAGG CTCGATTCCT	240
	TTTGTCCAAA GTGAACCCAT CTCACACACA CAATAACGTG TATGGTTGGG	300
15	TTTGTCCAAA GTGAACCCAT CTCAGACACA CAATAACCTG TATGCTTGGG GACAGGAAAC	360
	TGGAGCACCC ATCCTAACTG ATGATGTTAG CCTGCAGGTG TTCATGGACC ATTTGAANGA	420
	AGCTGGCTGT CTTCCAGTGG CCTGTTAAAG CTGAGGATAC AACCAGGGAA ATGCAAACGG	480
	THICAMGATT TGGTGGTTCA AAATTGTCTA GAAAGGGTTT GATAACCATT CCNGGTTACT	540
	TITICITINGG ANGITITAAC CAAATAATCA ANGGCNATIT TATTATGGAA CCTCTTTAGG	600
20	TTATAATTNA TINGGAATNC CGNCNTTGGC CTTTTCTTGN CCTTTAAATT TTAAGGGAAN	660
	AAANNTTTGG GCNTNAGGNG GTTNNGGNTT TTTGGNNCNA ACTTTNGGGN TTAATAAANC NGGGGNNTNT TAAA	
	MODULINI IAAA	734
	SEQ ID NO:1482	
25	SEQUENCE LENGTH: 731	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGS01687	
	SEQUENCE DESCRIPTION:	
30		
	GATCAACCGG AGCGCTTCCG AGCCATCCTT GCATCGGGCA GCCCACACTG AGGATATCAA	60
	TGCTTGCACG CTGACCACGT CCCCGAGGCT GCCTGTNTTC TAGTTGACTT TGCACCTGTN	120
	TTCAGGCTGC CAGGGGAGGA GGAGAAGCCA GCAGGCACCA CTTTTCTGCT CCCTTTCTCC	180
35	AGAGGCAGAA CACATGTTTT CAGAGAAGCT GCTGCTAAGG ACCTTCTAGA CTGCTCACAG	240
	GGCCTTAACT TCATGTTGCC TTCTTTTCTA TCCCTTTGGG CCCTGGGAGA AGGAAGCCAT	300
	TTGCAGTGCT GGTGTGTCCT GCTCCCTCCC CACATTCCCC ATGCTCAAGG CCCAGCCTTC	360
	TGTAGATGCG CAAGTGGGAT GTTGATGGTA GTACAAAAAG CAGGGGCCCA GCCCAGCTGT	420
	TGGCTACATG AGTATTTAGN GGGAAGTAAG GTAGCAGGCA GTCCAGCCCT GANNTTGGAG	480
40	ACACATGGGG TTTTTGGAAA TAAGNTTCTT GNGGGATGAA TGTAACAGGN GGGNTTTCTT	540
	CANGGAGTGG TNCAGCNCAG ACATTTNNAC ATAAGGACCA AACAGCCCAG NNTNCCGNAT	600.
	TTTGNCNCCC AAGNGCCTTT TTTGGACTTG GANCTTTNTT NGGGGAAAGC CNCTTNAANG	660
	TTTAAGNGCC AGNATNGGTG TTTCNGNAAG NATTGCCATC CGATTTAGCC TTTANGGGAN GTTCCANAAG N	720
45	dilectival i	731
	SEQ ID NO:1483	
	SEQUENCE LENGTH: 687	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	TOT OPORT ' TIMESL	

	CLONE: HUMGS01688					
	SEQUENCE DESCRIPTION:					
	GATCGGTGGC TCCATCCTGG	CCTCACTGTC	CACCTTCCAG	CAGATGTGGA	TTAGCAAGCA	60
5	GGAGTACGAC GAGTCGGGCC					
3	AGATGCGTAN ATTNTGCTGC					
	ACACACCTCA TGCTAGCCTC					
	AGCTTGTATC TGATATCAGC					
	GAAGTTAACT GTTCCCCTTG					
10	GAGGCTGGCA AGAACCAGTT					
	AGCCGTAGGA CCCCAGTTTC					
	TNGTTAATTG CTTTTAAGTT					
	CTNAATTNAA GGAAAGGGTT					
15	CAAATTTTGG GTTTTCANCC					
15	AAGGGAANAN AANGGCNNCC		41.0111 1110011	o continuona.	duntitutun	687
						001
	SEQ ID NO:1484					
	SEQUENCE LENGTH: 649					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01689					
	SEQUENCE DESCRIPTION:					
25	GATCAAACTG TATTGCCCAG	GCCAGCTCCT	GAAGAACTGT	GAACTATGAA	CGTCTCAGCC	60
20	TAGAAGGATA ATGTGACCTT (
	CTCTCTAAGC TAGATAGGCC					
	CATATACAGG TTTGTTACAT					
	GGTGACCCAG GTACTAAACC 1					
30	TCACCCTCCA CCCTCAGTTA (
	TCTTATTATT TAAGCTCCCA (
	GATTAGGTAA TGCTGAGGGA 1					
	CATGNNCTCA TTNCTTTAAA 1					
35	ACATTTTCCT TTNANCCAGG 1					
	TNGGTAATGG TGAANAGGGC A					649
	SEQ ID NO:1485					
	SEQUENCE LENGTH: 549					
40	SEQUENCE TYPE: nucleic a	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01691		•			
	SEQUENCE DESCRIPTION:					
45	GATCCTCTGA TGGGAGCTGA A	AGGATGAGA	GGTGGGCATC	TAGATTTAGG	GAGGCTGTTC	60
	AGGCTTTGCA GGTCCCTTAC C					120
	TGTGTGTGTT TGTCTGTGTG T					
	AATGGCTCTG CTCAGAGGGA A					
	GCCTGGAGAG CAGCCGGGCA A					

55

50

GGCCCAGCAC TCTTCCTTTA GGCCCTGTGA GCGTCCCTTG TCAGGATACA TTCTCTCATT 360

	TTGCTGAAGC TGATTTGATT GGGTGTCTGT TTCTCGCAGC CAAAAGAGCT CTGAAATGAG 42	0
	GAAAGTGCTT CTGTGCTAAC TCCCCGGGTC TCCTGAATTT CAGTCATTCA TGTACCCGCC 480	0
5	TCGAAATTTT TTGCAATATC TGTGTACCCA ATGTCCATTT AATTAATAAA GAAGTTTTCT 540	0
J	TAAATTAAA 549	
	SEQ ID NO:1486	
	SEQUENCE LENGTH: 543	
10	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS01692	
	SEQUENCE DESCRIPTION:	
15	GATCGANGTT TACCTTGTGT CAGGAAAAAA TGTGGGGTAT GCCAAGTATG CCGATAGAAT 60	
	AAGTNCTAAT GATGCCACTN GCCACTCTAC ATNGAAAGAT TCTGAATGGG GTGAGACTTA 120)
	AAGTTATGCT GGCAGATTCG CCAAGAGAAG AATCTAACAA ACGGCAAAGA ACTTACTGAT 180)
	TCTTGAGAAC ACCCGACTAA ATAATGACAT ANTCCTCAGC TGACTGACTG AAAATGTGAC 240)
	TGGACGCATT CCCTGTGGAC AGTTGACAGC TTTTTTTTT TCCATATACC TGNTAGTCTG 300)
20	TGTCCAGCAT TGTTTTGTCT GGGAAGCAGG GTTTGCTGNC ATGTATTTTN NATTCCATAC 360)
	ATTANTECTA AACCENTTAT AGTAGTTGTN CCTTAGNGCA NTATGTTGTT ACGTGTAGCA 420	
	GAANTAAAGT TTTCTTTGCT TTANCTAAAT CATGNCTTTA TTTNTGNGAA GGCCAGGACC 480	
	GGGAAATTTT ATTNGNCAGT CTTTGGNTTT TGCCTAATGN CATTGNCATG NNTTTGGGGT 540	
25	NCN 543	
	SEQ ID NO:1487	
	SEQUENCE LENGTH: 533	
	SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY: linear	
	CLONE: HUMGS01693	
	SEQUENCE DESCRIPTION:	
	GATCCAGAGT TGCATACAGA CCAATTTCTG CATCAGTGTT ATCTCGACCA GAGGCTAGTA 60	
35	GGACTGGAGA GGGCTCTACG GTATTTAATG GGGCCCAGAA TGGTGTGTCT CAGCTAATCC 120	
	AAAGGGAGTT TCAGACCAGT GCAATCAGCA GAGACATTGA TACTGCTGCC AAATTTATTG 180	
	GTGCAGGTGC TGCAACAGTA GGAGTGGCTG GTTCTGGTGC TGGTATTGGA ACAGTCTTTG 240	
	GCAGCCTTAT CATTGGTTAT GCCAGAAACC CTTCGCTGAA GCAGCAGCTG TTCTCATATG 300	
40	CTATCCTGGG ATTTGCCTTG TCTGAAGCTA TGGGTCTCTN TTGTTTGATG GTTGCTTTCT 360	
40	TGATTTTNTT TGCCATGTAA CAAATTACTG CTTGACATGT TGGCATNCAT ATTAATTACG 420	
	GATGNAATCC TGGGNANCTA CCTGTNCCTC CGAAAACCTG TAGGTANTTG GGGGTCANGG 480	
	GGAATTGNNC GGTAATTCCC AAAGCCATTT NATTAAAGGN GGAAACCTTT AAA 533	
45	SEQ ID NO:1488	
45	SEQUENCE LENGTH:531	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS01694	
50	SEQUENCE DESCRIPTION:	
	GATCCAAAAG ANCTGCTTTC TGAAGCAAGT TTCCAAGANG CTCTTCAGGA AAGCATTCCT 60	

5	GACATTCAAG CGCACGAGTG GGTGCCGCTG TGGCTACTGC GGTATTCGGT CATTGTGAAA 12 AGTAGAGGAA TTATCAAATC AAAAGGCTAC ATTTTACAAG CTAAAAGAAG GGGTTCTTAA 18 CTGACTTAGG AGCATAACTT ACCTGTAATT TCCTTCAATA TGAGAGAAAA TTGAGATGTG 24 TAAAANTCTA GTTACTGCCT GTAAATGGTG TCATTGAGGC AGATATTCTT TCGTCATATT 30 TGACAGTATG TTGTCTGTCA AGTTTTAAAT ACTTATCTNG CCTCCATATC AATCCATTCT 36 CATGAACCTC TGTATTGCTT TCCTTAAACT ATTGNTTTTC TAATTGANAT TGTCTATANG 42 GANATNCTTG CAATATATTT NNNCNTTANT TTTTATGNCT AATATNAATN CAGGNNAATT 48	0 0 0 0
	TGTTGTTTGG TATTTTTGGG CNNGGGTTCC GGGGAATGNT TNTNCANTTT N 53.	
10		
	SEQ ID NO:1489	
	SEQUENCE LENGTH: 526	
	SEQUENCE TYPE:nucleic acid	
15	TOPOLOGY: linear	
	CLONE:HUMGS01695 SEQUENCE DESCRIPTION:	
	GATCGGCGTG ACCANCCCTT GCCGGAGGTG GCCCATGTCA AGCACCTGTN TGCCAGCCAG 60	
	AAGGCACTGA NAGGAGAAGG AGAAGGCCTC CTGGAGCAGC CTCTCCATGG ATGAGAAAGT 120	,
20	CGAGTTGTAT CGCATTAAGT TCAAGGAGAG CTTTGCTGAG ATGAACAGGG GCTCGAACGA 180	
	GTGGAAGACG GTTGTGGGCG GTGCCATGTT CTTCATCGGT TTCACCGCGC TCGTTATCAT 240	
	GTGGCAGAAG CACTATGTGT ACGGCCCCCT CCCGCAAAGC TTTGACAAAG AGTGGGTGGC 300	
	CAAGCAGACC AAGAGGATGC TGGACATGAA GGTGAACCCC ATCCAGGGCT TAGCCTCCAA 360)
25	GTGGGACTAC GAAAAGAACG AGTGGAAGAA GTGAGAGATG CTTGGCCTNC GGCTTCAACT 420	
	TGCGGCTGGC TCTTTCACCG CCATGCAAAC TCCATGCCTA TTTACTNGGA AACCTGTTAT 480	}
	NCCAAACAGT TGTNCNCTGC TAATAAATTG NCCAGTTTAC CTGAAA 526	i
	SEQ ID NO:1490	
30	SEQUENCE LENGTH: 525	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS01696	
35	SEQUENCE DESCRIPTION:	
• •	GATCAGCAGA GGNATCAAAC CAACACCTTC TTTGGCTCCC CTCCCGCAGC CACAGAGGCA 60	
	ACCCACGTTG TCAGCACCAT CCCTGAGTCA TTACAATAGC ACCCTGCAGC TATGCTGGAA 120	
	AACTGAGCGT GGGACCCTGC CAGACTGAAG AGCAGGTGAG CAAAATGCTG CTTTCTGCCT 180	
40	TGGTGGCAGG CAGAGAACTG TCTCGTACTA GAATTCAAGG AGAAAAGAAG AAGAAATAAA 240	
40	AGAAGCTGCT CCATTTTCA TCATCTACCC ATCTATTTGG AAAGCACTGG AATTCAGATG 300	
	CAAGAGAACA ATGTTTCTTC AGTGGCAAAT GTAGCCCTGC ATCCTCCAGT GTTACCTGGT 360	
	GTAGATTTTT TTTTCTGTAC CTTTCTAAAC CTCTCTTCCC TCTGTGATGG TTTTGTGTTT 420	
n.	AAACAGTCAT CTNCTTTTAA ATAATATCCA CCTNTCCTTT TTGCCATTTC ACTTATTGGN 480 TCCATAANGT GAATTTTAAT TTAAGGTTAT GCCACACATG CATGN 525	
45	TOCKTAANGT GAATTITAAT TTAAGGTTAT GCCACACATG CATGN 525	
	SEQ ID NO:1491	
	SEQUENCE LENGTH: 522	
	SEQUENCE TYPE:nucleic acid	
50	TOPOLOGY: linear	

	CLONE: HUMGS01697	
	SEQUENCE DESCRIPTION:	
5	GATCAGCTGT TTGTCATAGG GCAGTTGGAA ACGGCCTCCT AGGGAAAAGT TCATAGGGTC 60)
	TCTTCAGGTT CTTAGTGTCA CTTACCTAGA TTTACAGCCT CACTTGAATG TGTCACTACT 120)
	CACAGTETET TTAATETTEA GTTTTATETT TAATETEETE TTTTATETTG GACTGACATT 180)
	TAGCGTAGTA AGGTGAAAAG GTCATAGCTG AGATTCCTGG TTCGGGTGTT ACGCACACGT 240	
	ACTTAAATGA AAGCATGTGG CATGTTCATC GTATAACACA ATATGAATAC AGGGCATGCA 300	
10	TTTTGCAGCA GTGAGTCTCT TCAGAAAACC CTTTTCTACA GTTAGGGTTG AGTTACTTCC 360	ì
	TATCAAGCCA GTACGTGCTA ACAGGCTCAA TATTCCTGAA TGAAATATCA GNCTAGTNGN 420	
	CAAGCTCCTG GTCTTGAGAT GTCTTCTCGT TAAGGAGATG GGCCTTTTGG GGGTAAAGGN 480	
	TAAAATGGAT GAGGTCTGNC ATGNTTCACT ATTCTAGGAC TN 522	
15		
	SEQ ID NO:1492	
	SEQUENCE LENGTH: 509	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
20	CLONE: HUMGS01698	
	SEQUENCE DESCRIPTION:	
	GATCCCAACA ATATTCCCAA GGCCTCAATG ACAAGTGGTT TGGTTCAGCA GTTCCAACAC 60	
	ACAGTCCTTC CCTCAGTGAC TCCCTTGGNN CCCTCATCTG CACACTGATT GCCATATTGC 120	
25	CCTCTATTTT CTGTCTTTGG TTTAAACCCC AAGGGCCCAG AGGCTTTCTC CGATGTCTAA 180	
	CTCTTTGTGC CTTGAGCTCC TTTATGTTTG GGTGGCATGT TCATGAAAAA GCCATACTTC 240	
	TAGCAATTCT CCCAATGAGC CTTTTGTCTG TGGGAAAAGC AGGAGACGCT TCGATTTTTC 300	
	TGATTCTGAC CACAACAGGA CATTATTCCC TCTTTCCTCT GCTCTTCACT GCACCAGAAC 360	
	TTCCCATTAA AATCTTACTC ATGTTACTAT TCACCATATA TAGTATTTCG TCACTGAAGG 420	
30	ACTITATICA GAAAAGGAAA AACCITCITI ITAAIIGGGA IGGGAACIII CIANCCIGCI 480	
	TTGGNCNGGG GGCCTCTGGG AAGGNCTTN 509	
	SEQ ID NO:1493	
35	SEQUENCE LENGTH: 497	
33	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUMGS01699	
	SEQUENCE DESCRIPTION:	
40	GATCCTGTCA AAATAGTCCG ATGCCATGAA CATATAGAAT CCTTACAGTA AATGGAGAAT 60	
	TACTCTTTTT TAGACAAAGA GAAGGGCCTT TTTATCCAAC CCTAAGATTA CTTCACAAAT 120	
	ATCCTTTAT CCTGCCACAC CAGCAGGTTG ATAAAGGAGC CATCAAATTT GTACTCAGTG 180	
	GAGCAAATAT CATGTGTCCA GGCTTAACTT CTCCTGGAGC TAAGCTTTAC CCTGCTGCAG 240	
45	TAGATACCAT TGTTGCTATC ATGGCAGAAG GAAAACAGCC TGCTCTATGT GTTGGAGTCA 300	
45	TGAGATGTCT GCAGAGNCAT TGNGAAGTCA CCAAAGGATT GGCATTGAAA ATATCCATTA 360	
	TTTAAATGAT GGGCTGTGGN TATGAGGCAT ATAAATGNGC TCAGAGGGAT GCACTTGGGT 420	
	NAATATGGNT ATTGTGCTGT ATCTGTGTTG TGNCTGTGTG TGCANCTGAG GTATGCCTGT 480	
	GGTNTGCTGA TAAATCN 497	
	•••	

SEQ ID NO:1494

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	SEQUENCE LENGTH: 472					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS01700					
	SEQUENCE DESCRIPTION:					
	GATCAAAATA TCATGGATTG	AACCTCATCA	ATTGATAGCA	GTGAGTGACT	GANGCTTCCA	60
	AATCAAGAAA AGCCGGCACC					
	GATTCTNTCT TTGAAGAGTC					
10 .	GTANGNGGAG TATTTTAGTC					
	GGAGCTTTAT TTCTATTTAC					
	ACTGTATCTT GAAACTTTGT					
	ANTGTGATTT TNGTGTGATT					
15	CCTTAACCTT GAAAGTCCAG					472
	SEQ ID NO:1495					
	SEQUENCE LENGTH: 496		•			
	SEQUENCE TYPE:nucleic	acid		•		
20	TOPOLOGY:linear					
	CLONE: HUMGS01701					
	SEQUENCE DESCRIPTION:					
	GATCTGTGTG GATGGCAAAC	TCCCCAGGCC	ATTCTGGGAC	CTAAGTTTAA	GAAGTGCCGT	60
25	CCTCGAACTT NCTGACTCTA					120
	TTCCTGTTCA GGTGCAGACA					
	GCTCACGTGC CACACAGTGT	CTCATGCACA	CAACCCAGTG	TACACACCAC	CTACATGCAC	240
	ACAGCGTCCT TNCACACTGT					
	CACATCTACA ACCNNNAGGA	CACACACATG	GGTCCGTGCC	ATGTCACCTC	CNTAGGGGAN	360
30	GGNTTTCTTT CCAAGGTGTN	GCCAGGCCAG	GCAAGCCTTC	CAGGCCATGA	ATTCCTTACT	420
	TAGGTACCTN GGGGTTTGGG	GTGGGNGNCC	CAGNCAAAAT	TCTNGGGTTN	CGTNCNCTTT	480
	GGTTNNGNCC AGNTTN					496
35	SEQ ID NO:1496					
	SEQUENCE LENGTH: 492	•				
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01702		•			
40	SEQUENCE DESCRIPTION:					
	GATCCTGTAC AGCCAGTGTG	GGGATGTGAT	GAGGGCCCTG	GGCCAGAACC	CTACCAACGC	60
	CGAGGTGCTC AAGGTCCTGG	GGAACCCCAA	GAGTGATGAG	ATGAATGTNA	AGGTGCTGGA	120
	CTTTGAGCAC TTTCTGCCCA	TGCTGCAGAC	AGTGGCCAAG	AACAAGGACC	AGGGCACCTA	180
45	TGAGGATTAT GTCGAAGGAC	TTCGGGTGTT	TGACAAGGAA	GGAAATGGCA	CCGTCATGGG	240
	TGCTGAAATC CGGCATGTTC	TTGTCACACT	GGGTGAGAAG	ATGACAGAGG	AAGAAGTAGA	300
	GATGCTGGTG GCAGGGCATG	AGGACAGCAA	TGGTTTGTAT	CAACTATGAA	GAGCTCGTCC	360
	GNATGGGTGC TGAATGGCTG					
	CCNTNGTGTG AATTTTGGTN	ATCTAAGCCT	AAAAGTTTTC	CCTAAGGCTT	TCTTGTCTTC	480
50	AAGCAACTTT CN					492

5	SEQ ID NO:1497 SEQUENCE LENGTH:490 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGS01703	acid				
10	SEQUENCE DESCRIPTION: GATCCAAATA CACAGAATCA TTGGGTCATG GATGAATTGA GCACGTACAN NCTGTATCAC	AGATTTGATT GAACGGTGCC	AAAGTTACAA TGGCCTACTT	TAAAAAGAGN TTTCCTTTTC	CCCCNTCAAA TACCCACCCC	120 180
15	ACCCCAACCC CCCCTGTCTC GATATTGCCT AGGGAAGATT CCTCTGAGCT GTTAATCAGT CTGATTCATT CTTCAGAACT ATTCTTTGAT TGTGAAAGCT	AGTTGTTTTC GTTGCTAAAC TTTAACCNTT	CTTGTCATTC AGACAGGGAA TTAACCNCTA	AAGTTCATTC AGACAAGGGA ATTCTTCTCC	TGGACCTCTT GAGAAAAATG TTGAGAAGCT	300 360 420 480
20	CATTITAAA SEQ ID NO:1498 SEQUENCE LENGTH:477					490
25	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01704 SEQUENCE DESCRIPTION:				·	
30	GATCAAACTT CCATATTTGC AATAAAAACT TTGCAGAAAA AGTAGATACC ACCTACTGAT GATAGCTCAT ATTATAAATT TACAGAAGTT CCATTTAAGG	TTAGACAGTG GGTTACATAT TCTAAATCCT	TTTAATTTTC ACTAGGGAAA AGGAAGAAAC	GAAAACTTCC TTTTAAAATT GCTTGGAGTG	CTCTCTAGAC AGGAAATGCT CTTCTGAATA	120 180 240
35	AAATTGAGGT TTAATTCCCA TANAACTATA AAGTAATAAA AAATGGTAAT CCTATGGAAA	AATGTATTCT TTGTTATTTT	ACTTGTTCTA CCGCACCAAT	AAACAATCTG GGGGNATCTC	TCCNCAAATA TAATGGTGGA	360
40	SEQ ID NO:1499 SEQUENCE LENGTH:476 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01705	acid				
45	SEQUENCE DESCRIPTION: GATCCCCGAG TCTTCACAAA TCATAACCTC TACTCTGAGG TACACAAATA CTGAACAATA	TGTTANTAAA	AAACCTTAGT	AACTTAAAAA	AAATGAGCTG	120
50	GACATANATA AGAAACGGTG TGTAGTAAAG CAAATATAAC ATGCACTTCC CACAACNTTT ACTGTTTGTC TCAAGGAAAT	AAAATGATAA TTATATGNTT	TTGTACAATC AAACAGTTTT	TAAGTGGTTG ATAATACCAT	GACTATAAAT ATTANGGGAA	300 360

	TGGTNAAATT AAAAGCTTTT	ACTTCCTGGG	CAATTAAAGG	TAATCCTGGT	AGGAAA	476
5	SEQ ID NO:1500 . SEQUENCE LENGTH:488					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01706	acid				
10	SEQUENCE DESCRIPTION:		•			
	GATCCTGACT GCTGTCATGG	CGTGCCCTCT	GGAGAAGGCN	CTGGATGTGA	TGGTGTCCAC	60
	CTTCNANAAG TACTCGGGCA					
	GGAGCTGCTG ACCCGGGAGC					
15	CCAGAAGCTG ATGAGCAACT					
15	CTGTGTCTTC CTGTCCTGCA					
	TAAGCAGCCC AGGANGGAAA					
	GGGGGCCCTT CTGNGTNGNC					
	TTNANGANAA NGGGCTTNGA					
20	NTTTTAAA					488
	SEQ ID NO:1501					
	SEQUENCE LENGTH: 472					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear	acru				
	CLONE: HUMGS01707					
	SEQUENCE DESCRIPTION:					
	GATCCAGAAG CTGATGGATG	TEGETCTEAT	TGCAATTCGG	TGATGACTTG	TTCATACCCC	60
30	CTTCCCTTCG CCCTCATGTG					
	AGGGAGAGCA GGGGAGAGAA					
	CACAGAGACT CGTACCTGCG					
	GCATGGTCTC TTCACCGCTG					
	GTCTCGGCTG CTCTCCCATA					
35	GGGGGAGGG AGGGGGTTCT					
	TTGGGTCCCC TTTTTCCAAT					472
	SEQ ID NO:1502					
40	SEQUENCE LENGTH: 469					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01708					
45	SEQUENCE DESCRIPTION:					
	GATCGCAAAT TGCTNGAGCT					
	AGCTTGCTTA CTAATGCAGA					
	GAGCAGTCAG AAGCCCAGCT					
	CGAAAATCAG AAGACAAACT					
50	GCTATCCATG GATTGATGTC	TCAGGTTAAT	TAAGGATAAA	CTGTTTAATC	AAATTAACAT	300
	CTCTTCCACA GTCTCTGAGA	ACCCCTNTAC	CTGAAAGACA	GTATGNGGGA	AAATATTCAA	360

	GGTAACACTT TTAAANCCAG	TTNCCNAAAA	TCTGATTAGG	ANGTNTANGG	TTCTCTGAAG	420
	TGGTCCTAAA TATTANTATC	CCTGTAATAA	ANGCTCTTTA	AANTGGAAA		469
5	SEQ ID NO:1503					
	SEQUENCE LENGTH: 466					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUNGS01709					
	SEQUENCE DESCRIPTION:					
	GATCTGCAGT GGCTGTTTGA					
	GGCTGTCCAC CTCCCAGCCA					
	CCCATGACCT GTGGGCTCTG					
15	TGGCTTCCCT CCTGGAAGGC					
	AAGCATCCCC ATGATGTTGT					
	CTCTGGCTGG TGCTGCTGCC					
	GCTCCTCGTG GGCAGGGACC				TAAGNACAGT	
20	GCCTTGCACT TGATAAGGTG	CTTAATAAAT	GTCTGNTCAA	CTGAAA		466
	ONO IN NO ICO.					
	SEQ ID NO:1504					
	SEQUENCE LENGTH: 465	• •				
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE: HUMGS01710					
	SEQUENCE DESCRIPTION:					
	GATCACTGTG TTCAGTGTTG	*********	*******	CT	*******	co
	CCAGAAGGGC AAGGTGCCAA					
30	GAAAGGTTGC CCATCATGAC					
	AGTATCTTCC ATGTTAATGT					
	TCTGCCAATA AAGTTGCATG					
	CCAAGAATGT TTTCTTACAA					
35	ACTITIGAGE CTCAACTTAA					
33	GCCTTTCCT TTTATGTAAA				TIMOMUM	465
	doctition tithiathan	AIIMMIOIN	IIUIUUMIII	IUMM		700
	SEQ ID NO:1505					
	SEQUENCE LENGTH: 462					
40	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01711					
	SEQUENCE DESCRIPTION:					
45	GATCTTGTCT TTAAAACATG	ATAGTCCTTT	CAGTATAATG	TCTTAGATTA	AAGACGTTGC	60
	CTTTAATATC TGTTGGGAAG					
	TTTTNTTGTT TACATAGGGA					
	NGAAGTGTAT ATTTTCAAAC					
	GGCTTCTGCA GCTGTAGATT	CTCACTGTGA	ATCCCTTGCT	TGCTCATGCA	TAAGTGTATT	300
50	TGCAATACCA NATATACAGG					

	AACGTNTTGG GTGAGATGTT TAATTTTAAN NCATATGNAA				ATGTGGGNAG	420 462
5						
	SEQ ID NO:1506					
	SEQUENCE LENGTH: 459					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
10	CLONE: HUMGS01713					
	SEQUENCE DESCRIPTION:					
	GATCCCAAGC AGGCTCACAA					
	CAGATTATTT TCCTACCACT					
15	TTAAAATATT TTAAGCTCCC					
	ATACAGCCAT AGGCACCCAC					
	GACCTTCTGA GTAAAGGGCT					
	GTTAAATGTA TAAAAAGCTA					
20	AAAATGTAGT GTACAAATTA ATTTTTTTTA ACAAATAAAC			AGGTACTTTT	CAAANACAGT	
	ATTITITIA ACAMATAMAC	HACGNIHI	IACAGCAAA			459
	SEQ ID NO:1507					
	SEQUENCE LENGTH: 454					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear	aciu				
	CLONE: HUMGS01714					
	SEQUENCE DESCRIPTION:					
	GATCTCCTGT CCATCAGCCA	GGACAGTCAG	CTCTCTCCTT	TNAGGGCCAA	TCCCCAGCCC	60
30	TTTTNTNGAG CCAGGCCTCT					120
	CACGGCCACA TTTGGTTCTA	AGAAACCCTC	TGTCATTCGC	TCCCACATTC	TGATGAGCAA	180
	CCGCTTCCCT ATTTATTNAT	TTATTTGTTT	GTTTGTTTTA	TTCATTGGTC	TAATTTATTC	240
	AAAGGGGGCA AGAAGTAGCA	GTGTCTGTAA	AAGAGCCTAG	TTTTTAATAG	CTATGGAATC	300
35	AATTCAATTT GGACTGGTGT	GCTCTCTTTA	AATCAAGTCC	TTTANTTAAC	ACTGAAAATA	360
	TATAAGCTCA GATTATTTTA	ANTGGGNATA	TTTATAANTG	NGCAAATATC	ATACTGTTCA	420
	NTGGGTTCTG GAATAAACTT	${\tt CACTGGAGGG}$	NAAA			454
•						
40	SEQ ID NO:1508					
40	SEQUENCE LENGTH: 453					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01715					
45	SEQUENCE DESCRIPTION: GATCGAGCAG TGTGACTACC	CCCCACTCCC	CCCCCACCAC	TACTCCCACL	ACTTACCACA	co
	ACTGGTCAGC ATGTGCATCT					
	CCAGGTGGCC AAGCAGATGC					
	CTTATCAAAG CCAGCACCAC			•		
50	GGTAGCCTAG AACAGCTAAG					
	TTACAGCAGA TGCTGAAGGA					

	GGGTCAGNTT CCAAAGTCCT TNAAGGGCAG GTNGGTTNAA			CAATNTNANN	TNGGGTCAAN	420 453
5	SEQ ID NO:1509 SEQUENCE LENGTH:450 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS01718 SEQUENCE DESCRIPTION: GATCCTGGGG AAGGTGGGGA	ACATGCTTGC	AGTATCTNTC	CCTGTNTGTN	TGCTCACATA	60
15	AGCATTCCGT CCATCTGAGC TTNTGTATCA TAGATTCTAG	TGTGTTTATA	CAAGGNGACA	TCTGTGGTTT	CCCCAACCGT	180
	TCCAAAAGGC TATTTCAAAG CATTGACTTC CCGCATAAGG NATGTGTTGT TTTCCGTTGT	CAGGGTGACC	CCCTGAACTC	CAGATGTNTG	CACAGTATCT	300
20	GATTTNTNAG TGGGAAGCAT AACCTANTTA ANTNTTTANC		TAAATCANGT	ATTTNNTTCC	TGNTTAAACC	420 450
	SEQ ID NO:1510 SEQUENCE LENGTH:449 SEQUENCE TYPE:nucleic	aaid				
25	TOPOLOGY:linear CLONE:HUMGS01719 SEQUENCE DESCRIPTION:	acru				
30	GATCCATGGA TGTAGTGGGG NACTTCGACT CTNCTGCCTT GNAGTCACAG CTTCATCAAG	CAACTGAGAN	CAGTTGACCG	CAAGCTGAAA	CTGGTGTGTG	120
	TTAATTGAAA TATGAAAGCT TTAATAACTG TGATTTTGTA TTCTAGCATA TTANGAGCTT	GAAATGCAAC AATTTCAGTA	AAACAACTTC ATTCATTTAA	CGCTTAAAAC ATGATGTTTC	AATTAAGTTG AGTAGATATA	240 300
35	ATTTTCTTCT TATACTCTTC GGGGGCAAAA ANTAAAATAT	CTTTTTTTA				
40	SEQ ID NO:1511 SEQUENCE LENGTH:464 SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear CLONE: HUMGS 01720 SEQUENCE DESCRIPTION:	acru				
45	GATCAGAATC ATGGTCTCCC GAGAAAGTAC GGCAAGTCCC	TGTACTATTA	TATCCAGCAA	GACACTAAGG	GCGACTACCA	120
50	GAAAGCGCTG CTGTACCTGT AGAAATGGTG CTCACCATGC GTCCCCGTGG CCATCCCTGT	TTCCAGCTAA	CAGGTCTAGA	AAACCAGCTT	GCGAATAACA	240
	CCTAAGCATT NCCTGGCCTT	CCTGTCTAGT	CTCTCCTGTA	AGCCAAAGAA	ATGANCATTN	360

	CAAGGGAGTT TGGAAGTNAA	GTCTATGANT	GTGAAACAAC	TTTTNNCCTC	CTGTNGTNCT	420
	GTGTTAATAA ANCAGGTGNA	TTAAACTGGN	TTTNGTACTT	TAAA		464
5	SEQ ID NO:1512					
	SEQUENCE LENGTH: 445					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS01721					
	SEQUENCE DESCRIPTION:					
	GATCTTGCCA TGGAAGATAC	***************************************				
	TTTGACATTT TAAACATGAT					
	GTTATTTATA ATTAATTCAC					
15	CCATAATGTT GGAATTTGGT					
	AAGATATACA CACCCTAGTT					
	GTATTCTGAA CCAGGAACAC					
	AATTCTAATT ATNNGGAGTA		ACCTAAATNT	TTATGTCAGT	GGGGNCTGTA	
20	CTTGTCTGTG GGANCTTAGC	AAATN				445
	SEQ ID NO: 1513					
	SEQUENCE LENGTH: 435					
	SEQUENCE TYPE:nucleic	acld				
25	TOPOLOGY: linear					
	CLONE: HUMGS01722					
	SEQUENCE DESCRIPTION: GATCAATCGG ATTGAGAAGA	1.C.1.T.C.C.T.C.1.C	CTCACCCCAC	TACCTGGAAC	CTCCCCACGA	60
	GCACGTCAAG ACGGCCCTGG					
30	CATCTGTGTG TCCATCACCG					
	ATAATGTCGC ACATTGTTGG					
	CAGCAGCCTG GGGGCAGGGC					
	GCAGANGGTN AGACAGTTCT					
35	TNAGGCCTCA ATGCCTGGGG					
33	TNTAAAAATT TTAAA	401111000100	11010101111			435
	SEQ ID NO:1514					
	SEQUENCE LENGTH: 434					
40	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01724		•			
	SEQUENCE DESCRIPTION:					
45	GATCTAACCT AGACTAAAAT					
	GTGATTCTNC TCCAAAATTG					
	TATATTTTC AATTCCAGAT					
	ATTTTTCCTC ATTTTATCAA					
50	GAAGCTGTTC CCACTCCCAG					
50	TCTCTGATTC TTTAATAAAT	TATCTTTATA	GGAATATGCA	CAAGTTTTTT	TTACACTCAG	360

	TGTTAAAAGT ATTTATTAAT NGGGAAGTCA ACTTAATGTT TTGAAATAAA NTATATGNCT 420 CTGGTTAATG CAAA 434
5	SEQ ID NO:1515
	SEQUENCE LENGTH: 423
	SEQUENCE TYPE:nucleic acid
10	TOPOLOGY: linear
	CLONE: HUNGS01726
	SEQUENCE DESCRIPTION:
	GATCCAGTGA TTCANTCACT TAAATNAAGT CTTTTGGTCA GAAATNACCT TTTTGACACA 60
	AGCCTACTGA ATGCTGTGTA TATATTTATA TATAAATATA TCTATTTGAG TGAAACCTTG 120
15	TGAACTCTTT AATTAGAGTT TNCTTGTATA GTGGCAGGA TGTCTATTTC TGCATTCAAA 180
	AGTGTAATGA TGTACTTATT CATGCTAAAC TTTTTATAAA AGTTTAGTTG TAAACTTAAC 240
	CCTTTTATAC AAAATAAATC ANGTGTGTTT ATTGAATGGT GATTGCCTGC TTTATTTCAG 300
	AGGACCAGTG CTTTGATTTT GATTATGCTA TGTNATAACT GACCCNAAAT AAATNCAAGT 360 NCAAATTTAT GTNGNCTGTA TAAGGTTTGT AATAANCCAT GNCTGAGGNC AAAAAAGGGN 420
20	AAA
	423
	SEQ ID NO:1516
	SEQUENCE LENGTH: 419
25	SEQUENCE TYPE:nucleic acid
25	TOPOLOGY: linear
	CLONE: HUNGS01727
	SEQUENCE DESCRIPTION:
	GATCTGTAAT CTCCACTGCT TGGATGTCTG CCCTCTACCC CAGAGGAATT TACAGAAACT 60
30	TGCCCTGTGC CTGTGTCCCC CATGCTAGGG GCGGAGGGGT CTTTTCCTTC TTCTTTCCTA 120
	CCTACCCCTT TTCTCTTGGC CAGGGGCCTC GTATCCTACC TTTCCTTGTC CCCTGGGCTG 180
	GCTGCACAGA GGATTGCCCC TTCTCTTTTC AGAGCTGGCC CTCGATGCCA AATTAGCATT 240
	TAGTATTTTG CACAAAGTCT AAGGGACCAT GGCTGCCTGC CTTGGGGAGG AACCATAGCT 300
35	CCNTCTGGGC CGCTTCTGGC CTCTTGGAGC CATGGGCCAA AGGCAAGGGG ATGGGCAGAG 360
	GTCTGTGTTT GGTCTGGCCC AGTTCCNCAT CATTAAACTC AGCCTGACTG CTGCCTAAA 419
	SEQ ID NO:1517
	SEQUENCE LENGTH: 419
40	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS01728
	SEQUENCE DESCRIPTION:
45	GATCCTCAGT AGANCAGTCC AGAAGCCTGA NAGACAGTGG CCCCTTGATA ATCTGGGTCT 60
	CACGGGNCCA GCTAGGGGTC CAGGTTTCAN TCAGTAAATA AGAGTGGTCC ACGTCCTAAA 120
	GACACCTCTC CTNNACAAAG ACTTGTGATG CTCTGGGGNT TCTNTGGCCA AGCCCCACCC 180
	TTTCCTGGTC ATGGTACCCG TACAGCGTTG ATGGCCACAG CTCGAAGGGG GGCTTTCGTG 240
50	TCCCCCTGTG CGGTCAGTGT TTTCAGTACC ACCTCTCTCC CGTGCCCACT TGGCTATTTA 300
50	CTTATTTATT TATTGTGTGC CAGTNATGGT GGGTGGGGGC TGGGCCTTCC CCGCCACCTN 360
	CANCCCTGTT GTGACCTGTC CTTCCGTACT TAATAAAGTG CGCGTGNGGA GTTGTTAAA 419

	SEQ ID NO:1518					
	SEQUENCE LENGTH: 418					
	SEQUENCE TYPE:nuclei	c acid				
-	TOPOLOGY:linear					
5	CLONE: HUMGS01729					
	SEQUENCE DESCRIPTION					
	GATCTNAGCC CTCCGGTTC		GAAAGGCTAC	AGGTTCATTT	NCCTGACGAC	60
	AGCAGTCACA AACAGCGCT					
10	TTCCCGGCCA NTNTTGACA					
	CACCCAGCTG CTATAACCA					
	GTGTTGGGAT TTAGAGAAC					
	TCTCTTTTCT GTTTATGAA					
	CTTTGCTAAA TCCTGTTTG					418
15	CITIGOTANA ICCIGITIO	A AIGICAIIGI	AAATAAAUCC	ICIUCICICA	UNIUIAAA	410
	SEQ ID NO:1519					
	SEQUENCE LENGTH: 404					
-	SEQUENCE TYPE:nuclei	a acid				
20	TOPOLOGY: linear	aciu				
	CLONE: HUMGS01730					
	SEQUENCE DESCRIPTION					
	GATCCAATTT ACAGAAATC		CACCTACGAC	TOGTTTGGTT	CCCCTTTTTT	60
	AGTTTGTCTT TCTAAAGTC					
25	CATAAAATAG GCAGGCCTA					
	AGTTGACCCA CGTTGCTGC					
	GGCCTGGCTA CCTCATCTT					
30	CTGCAGCAGC TGGCCCGGT				TTTCCCAAGA	404
	AGGGTGTTTG AACTTAGAG	I CIIAAIAAAA	ICITACCAAA	IAAA		404
	SEQ ID NO:1520					
	SEQUENCE LENGTH: 402					
	SEQUENCE TYPE:nuclei	o acid				
35	TOPOLOGY: linear	c aciu				
	CLONE:HUMGS01731					
	SEQUENCE DESCRIPTION					
	GATCTACAGA TACGTGATA	•	CT 4 C 4 4 T C T T	CATTTCTTTC	ATAAACTTCT	60
40	GCCATGTTCT ATTTCTTTC					
	CTTTGGAAGG ATATTNCTG					
	GTTGTCAAGG CTGAAAAAA					
	GAGGATGAGG AGGAGGAGG					
45	GAATAAGTTG GTTCTAGCG				ANCOCCECTO	402
	TACACAACTC ACTCCTTTT	A NNGAAAAAA	LILUARAINIA	' AA		404
	CEO ID NO. 1501					
	SEQ ID NO: 1521					

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SEQUENCE LENGTH: 407

5	SEQUENCE TYPE:nuclei TOPOLOGY:linear CLONE:HUMGS01732 SEQUENCE DESCRIPTION					
	GATCTCAGCT GAACAAATT ACATGTGCAC ACACACACA GATTATGCGA AATACCCAA	A ATTTCTTATC	ACATTTTCGC	CTTCTTCACT	TGACCTAACT	120
	AATCTTCAGT TCTTTGTTT					
10	TTTGGGTATT TGGAGATAA					
	TCAGATATGC TTCATTGTC					
	ACCTGCTGCT TNTTTTTTA					407
15	SEQ ID NO:1522					
	SEQUENCE LENGTH: 397					
	SEQUENCE TYPE:nuclei	c acid				
	TOPOLOGY: linear				•	
20	CLONE: HUMGS01733					
	SEQUENCE DESCRIPTION					
	GATCTAGTAG CCACGCTAA			•		
	TTGGAGATAT TATTTCAGA GCATATCTCA GTTGAGACA			-		
25	CATAAAATCT AAATTTGCA					
	AGTTTTCCAA TAACTGAAA					
	TCCATATTTC AGGTATTAG					
	CCCAGGTTTG AAGTGTGTG					397
30	SEO ID NO. 1500					
	SEQ ID NO:1523					
	SEQUENCE LENGTH: 395 SEQUENCE TYPE: nuclei	a agid				
	TOPOLOGY: linear	aciu				
35	CLONE: HUMGS01734					
	SEQUENCE DESCRIPTION	<u>.</u>				
	GATCTGTACG AAATGTGAA	A TNTTTAGGGA	CATCTCCATG	CTGTCACTTG	TNATTTGCCC	60
	TCTNATGTAT TTNGGTCAT					
40	AAGTCCTTTN AAGACTNAG	r getgttttna	ATCCAGTTTA	GAAAGTAACT	TAATTTTAAT	180
40	ACCGCTACTA AAAATNCGA	A AATTTCTCCT	TTAATCACAT	TCAATATGGT	TAAANGAACA	240
	ACACTAATTG ACATTGCGT					
	CAAGNGGTTG TATAGTATT			AAATTTNCNA	TTCCAGNGGT	360
	TTTGTAAATG TATCCCGGG	G CCNTGNTGCA	TTGGN			395
45	and the variable					
	SEQ ID NO:1524					
	SEQUENCE LENGTH: 391					
	SEQUENCE TYPE:nuclei	c acid				
50	TOPOLOGY:linear CLONE:HUMGS01735					
	COLITORISMISMI TOO					

	SEQUENCE DESCRIPTION:					
	GATCTCAATG ACCTGGCGAA	GACTGGAAAA	TACAACTCCC	ATCACCAGCA	GAGTTGCTAG	60
	GCTGCTGCTG TATGGGTACA	GAGAAGGGTT	TGACAAAATT	GACCTGACTG	TGGAAGAACT	120
5	TCCAGCAGTT TACACAGGAC	TGTTTTATAA	ACTCTATCAT	AAGGAACTGC	CAGAGAATTA	180
	TAAAACTATG AAAGGAATTG	ATTAAATTCA	CATTTATATG	TTTAGAAACA	TGTAGACTAA	240
	CGAATGACAT AAGAAATAGT	GGACATTTTG	GATTGATTAA	ACATCTGACT	GTGATTTTCT	300
	AATGTATATG ATTTCCATGA					
	TTTCGAATAA AGCAAATGCG					391
10						
	SEQ ID NO:1525					
	SEQUENCE LENGTH: 388					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS01736					
	SEQUENCE DESCRIPTION:					
	GATCCGGCGC CACAAGACCA	CCATCTTCAC	GGACGCCAAG	GAGTCCAGCA	CGGTGTTCGA	60
•	ACTGAAGCGC ATCGTCGAGG	GCATCCTCAA	GCGGCCTCCT	GACGAGCAGC	GGCTGTACAA	120
20	GGATGACCAA CTCTTGGATG	ATGGCAAGAC	ACTGGGCGAG	TNTGGCTTCA	CCAGTCAAAC	180
	AGCACGGCCA CAGGCCCAGC	CACAGTGGGG	CTGGCCTTCC	GGGCAGATGA	CACCTTTGAG	240
	GCCCTGTGCA TCGAGCCGTT	TTCCAGCCCG	CCAGAGCTGC	CCGATGTGAT	GAAGCNCCAG	300
	GACTCGGGAA GCAGTGCCAA	TGAACAAGCC	${\tt GTGCAGTGAG}$	ACCCCCAAGA	GGCCCATTTC	360
25	CCCCAATAAA AGAGATTTGG	GAGTCAAA				388
	SEQ ID NO:1526	•				
	SEQUENCE LENGTH: 388					
00	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear					
	CLONE: HUMGS01737					
	SEQUENCE DESCRIPTION:					
	GATCTTATTT CTTCTACTCA	ATTGTATATT	TATACCCATT	AATCAACTTC	TGTTCTTGCT	60
35	CTCTCCGTGC TACCCTTCTG				-	
	GAGACCAGCG TATTTTAGCT					
	GCTTGACTTA TTTTACTTAA	CATAATGACC	TCCAATTCCA	TCCATCTTGT	GGCACTGACA	240
	GTATTTCATT CATTTTTGTG					
40	ATCCATTCAT CACTGATGTG		GATTCCATAT	TTGGGCTATT	GTGAATAGTG	
40	TGTTAATAAA CATGAGAGTG	CAGTTAAA				388
	SEQ ID NO:1527					
	SEQUENCE LENGTH: 385					
45	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01738					
	SEQUENCE DESCRIPTION:	mamam : 00 : 0		n . mmm.c.c.c.c.	101110100	
50	GATCTTCCTG GTCAGCGCTC					• •
	ALL ALVALVABLE L'AGALILIA'A'	T T T A A C T T A	BILL TO ALTERNATION	O LO AL DELL'IN A FL	ALLIA I LA A T A L'T	1.7(1)

	ATGACCATGA GTAGCATCAG					
	GCAGAGAGCA TCCCGTGTGG	ATATGAGGCT	GGTGTAGAGG	CGGAGAGGAG	CCAAGAAACT	240
	AAAGGTGAAA AATACACTGG	AACTCTGGGG	CAAGAGATGT	CTATGGTAGC	TGAGCCAAAC	300
5	ACGTAGGATT TCCGTTTTAA	GGTTCACATG	GAAAAGGTTA	TAGCTTTGCC	TTGAGATTGG	360
	CCTCATTAAA ATCAGNGACT	GTAAA				385
	•					
	SEQ ID NO:1528			•		
	SEQUENCE LENGTH: 377					
10	SEQUENCE TYPE:nucleic	acid .				
	TOPOLOGY: linear					
	CLONE: HUMGS01739					
	SEQUENCE DESCRIPTION:					
15	GATCCGTACT CAGAACGTCC	AGGAGAGACG	CATGGCCCGA	AGTCAAAGTG	CTGGAATTTT	60
	CCAAAACAGC CTGTTCTCTC					
	GAAATCCCTC TCCCCCAGGA					
	AAACAGTCAT GGTCTAAAAC					
	ATTTCTAAAA CAGGTGGGCA					
20	TGAGGACACT GGTGGCTGTG					
	CTGCTTCTGT TTAGGTN	01	300			377
	0.001.0101					_
	SEQ ID NO:1529					
25	SEQUENCE LENGTH: 167	•				
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear .					
	CLONE: HUMGS01740					
	SEQUENCE DESCRIPTION:					
30	GATCCAAGGC CTGTGGTAAA	CGGGAGANCT	TGTNTTTTTC	AAGTGGAAAA	AAACCCAAGA	60
	GTTTGTNCAG ACATCCTGTC					
	GCCTGCTGNA TCAATAAAGC					167
	000100000000000000000000000000000000000					
35	SEQ ID NO:1530					
	SEQUENCE LENGTH: 372					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01741					
40	SEQUENCE DESCRIPTION:					
	GATCCACACG TTCCGGGACT	ACCTGCACTA	CCACATCAAG	TGCTCTAAGG	CCTATATTCA	60
	CACACGTATG CGGGCGAAAA					
	TGCCGAGAAA AAAGAAATGA					
45	GGAATAAGAG GAGGAAGCGG					
· -	TAGCTTTTAA TGTTGCGCCT					
	GTACACGTTT GGAAAATAAT					
	CCAAGANTTA AA					372
50	SEQ ID NO:1531					

	SEQUENCE LENGTH: 372					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUNGS01742					
3	SEQUENCE DESCRIPTION:					
	GATCCACTGT TGGGGCCTCG	ACGAGTTCCT	GTCCTGGGAA	AGGAGTACAC	CGAGAAGACC	60
	CCCATTTCTG AGCATGCTGT					
	GAGAATGGGA TAAGGGTGGA					
10	GCACATTGGA GATTTATCCT					
	TTGGCTATCA GAACCTTAGG					
	TCTGCATGTA TTCATAATTC	TATCAAGICA	ICITIGATIC	CIGGACCIAA	TAAATTTTTT	
	TTCCCTTTCA AA					372
15						
	SEQ ID NO:1532					
	SEQUENCE LENGTH: 368					
	SEQUENCE TYPE:nucleic	acid	-			
20	TOPOLOGY: linear	•				
20	CLONE: HUMGS01745					
	SEQUENCE DESCRIPTION:					
	GATCCCAGTC ACAATTATCA	CCGGGTATTT	AGGTGCTGGG	AAGACAACAC	TTCTGAACTA	60
	TATTTTGACA GAGCAACATA	GTAAAAGAGT	AGCGGTCATT	TTAAATGAAT	CTGGGGAAGG	120
25	AAGTCCGCTG GAGAAATCCT	TAGCTGTCAG	CCAAGGTGGA	GAGCTCTATG	AAGAGTGGCT	180
	GGAACTTAGA AACGGTTGCC	TCTNCTGTTC	AGTGAAGTGA	GGAATGTGTT	TACTGTGTAC	240
	ATGGTTTACT AGAAATGTTT	ATTGATTATA	TTTCCAGCTT	TAATTTTCTT	GAGTAATTTA	300
	ACTGAATTTA CACAGTTTGC	TTCATTGTAT	TTTCAAACAA	ATAGAAAATA	AACTTATTAG	360
	GAAGCAAA					368
30		•				
	SEQ ID NO:1533					
	SEQUENCE LENGTH: 364					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY: linear					
	CLONE: HUMGS01746					
	SEQUENCE DESCRIPTION:					
	GATCGTCCCC GTATGATGAT	TGTNAGAAGA	CAGGACTAAG	TAGCAGAGAA	TAGCTAAGAG	60
	ATAAATTGGG CTGGGGAAAC	TTGTCAGAAA	GCACTGAACA	ATTAAGAAAT	TTTCCAAGAA	120
40	AATGTGCAGT ATTCTCTGCT	ACTTCTGAAT	CTGTTTTGTC	TTCCTAATCT	ATCACAATTG	180
	CCACCCATCG GGTTTTGGGT	GTGTGTTTTC	ATAGCGTGGT	TACTTTCTAT	AATGCTGTAC	240
	CCAGATTCTA AGAACCTGGA	GAAGGATTAG	CAGTTCTTAG	TAAGTTTACT	GTGTATAGGA	300
	ACGGTTTGTA TTTCATTACA	GCTATTCATC	TTTTCTACAT	TAAAAATATT	TTTCTCTAAA	360
45	GAAA					364
	SEQ ID NO:1534					
	SEQUENCE LENGTH: 362					
	SEQUENCE TYPE: nucleic	acid			•	

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50

TOPOLOGY:linear

5	CLONE: HUMGSO1747 SEQUENCE DESCRIPTION: GATCTGTGCC ATAAAATTTC TGCTTCTTTG TGACAGTATT TTGTTGATAC CTTGCAATAG AGAAGTTTAC AGAATTACTT TCTCATTATT TCATCACTGC	TTTATTTCTG TATTGCTTCT ATTCATTGTT	ACATTCATTT GAAAGTAATA TTCTTAGTAA	TATTTGGGTA AAAAATTTTA GTCAGTTTAA	CATAGTGTGG GGAGAATTTG TGTTTATTTT	120 180 240
10	ACTTCAGTTT TAAAACATTA					
	SEQ ID NO:1535 SEQUENCE LENGTH:361 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01748 SEQUENCE DESCRIPTION:	acid				
20	GATCCACCTC TCCTGTGCTA GAAATGCAAG GAACTGAGGC GCCCTGATGG CACCAACTTT GCCTCAGGGT CCTCAGCCTA	CAGAGGCCNN AGCCTGGAAC	GCGGTTAGGG TTCCAAATNA	GGGCCTCCCA CAACATGATT	AATCTGGAGA TGGGAACTGA	120 180
25	ATTCTCAAGG GAGACTTGTT CCACTCTGTG GACTTGAAAT N	TGAAAATNAG	TGTCTCACTT	TCCCACCCTA	TCCTTCCTCC	300
30	SEQ ID NO:1536 SEQUENCE LENGTH:360 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01749	acid				
35	SEQUENCE DESCRIPTION: GATCGATTCT CTCTATGAAG AGAACTGAAT GCTGACCTGT TGCCAAACTA GACAAGTCAC	TCCGTGGCAC	CCTGGACCCA	GTAGAGAAAG	CCCTTCGAGA	
40	CCCCAAGATT CAGANGCTTC CAACCCTGAT GAAGCTGTTG CAAGTNTNNG AATGTTCAAG	TCCANGACTT CTTATGGTGC	CTTCAATGGA AGCTGTCCAG	AAAGAACTGA GCAGCCATCT	ATANGAGCAT TNNNTGGAGA	240 300
45	SEQ ID NO:1537 SEQUENCE LENGTH:358 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01750 SEQUENCE DESCRIPTION:					
50	GATCCCAGTG AATCCTGGGT CAGAGACAGG AAGTCTTCAG	CCAGGAGTAC				

	TCTCCTCCAT ACTCAGGACT					
	GGATAAGTGT BECCTATGGG					
5	TGGATAACAC ATTTGATTCT					358
	SEQ ID NO:1538					
	SEQUENCE LENGTH: 354					
10	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01751					
	SEQUENCE DESCRIPTION:					
	GATCCCTCCT CTAGGGGCCT					
15	GTGTGGGAAG GGGAAATGGA					
	ACAGATGCAG AAGGTTTCTC					
	TATTTGGAAA CTTACTCCTA					
	AATATCAAGG GCTGAGACTT			•		
20	TGTGGTCTAG GAGTGCTATT	CAGTGTTTCT	TTTCCTGATA	AACACTTTGA	ATAN	354
	CPO ID NO. 1520					
	SEQ ID NO:1539 SEQUENCE LENGTH:352					
	SEQUENCE TYPE: nucleic	naid				
25	TOPOLOGY: linear	aciu				
25	CLONE: HUMGS01752					
	SEQUENCE DESCRIPTION:					
	GATCTCAGTA TGGACAGTGT	AACAACAAAA	CCAAAATGGC	TGGACAGACT	TCTTGTGTTT	60
	TGTAAATATA AACTAGGACA					
30	TAATGTAAAA CTTCACTTAA					
	AGNGGTAAGA AATAATATAA					
	ATTTAATAAA TCTTTAAAAA					
	AATCATTGTC TTAAATTTTT					352
35		•				
	SEQ ID NO:1540					
	SEQUENCE LENGTH: 351					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
40	CLONE: HUMGS01753					
	SEQUENCE DESCRIPTION:					
	GATCAGACAA GCCCAAACTG					
	GTNCCAAGGC CGTGAACAAT					
45	AAGAAATATG ATAACTAACT					
-	GACCAGAAAT AAGATTTCAT					
	TGTAAGATGT TAACATTAGT					
	CACCCTTTGA AAGTCTAACT	TTTTTCAAAA	TAAAAAGTTT	TAAAAAATAA	A	351
50	SEQ ID NO:1541					

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SEQ ID NO:1541

	SEQUENCE LENGTH: 357					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear				•	
5	CLONE: HUMGS01754					
3	SEQUENCE DESCRIPTION:					
	GATCCCAGAT GCAGTGACTG	GTTACTACCT	GAACCGTGCT	GGCTTTGAGG	CCTCAGACCC	60
	ACGCATAATT GGGCTCATCT					
	TGCCCTACAG CACTGCAAAA					
10	GGACCGCAAG TACACTCTAA					
	CAATGTGAAG AAGCCGCACT					
	NCCCATGINC NTACACCAGC					357
	NCCCATGING MIACACCAGG	CIGILLINAL	AAIAAACIII	AIIUUIUUIA	UUUNAAA	301
	SEQ ID NO:1542					
15	SEQUENCE LENGTH: 412					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	aciu				
•	CLONE: HUMGS 01755					
20	SEQUENCE DESCRIPTION:					
	GATCAGGGCA GTAGGCATAA	TTCAGCAACA	AACAATCTTC	CTTTGGGAGA	AACCTNTTCA	60
	TTCCAATCTT CTAATTACAG					
	GAACAATTAA GGGGAAAAGC	TTCCCTTTTC	CCTCTGTGGC	AGTTACGATT	TTNACTTCAG	180
05	TCCTGAGAAA AACTTCAGGT					
25	CACGTTGAAA GCNTTTATAA	ATCCAAGTCT	GAAACTCTGC	GCTCTAGTAC	TGCTGTTAAG	300
	NTACACAACT TGTTTTCTNN					
	TGGGGGGGG GGNNTGGCGN					412
	Iuduuudu damiiuocan	11	4001100			
30	SEQ ID NO:1543					
	SEQUENCE LENGTH: 343					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS01756					
	SEQUENCE DESCRIPTION:					
	GATCCCAAAA TGCTGCGGGG		TCAGTTCCCA	GAAATAAAAA	TCCATTCCAA	60
	GAGGCCATTG TTTTTGTGGT	GGGAGGAGGC	AACTACATTG	AATATCAGAA	TCTTGTTGAC	120
	TACATAAAGG GGAAACAAGG	CAAACACATT	TTATATGGCT	GCAGTGAGCT	TTTTAATGCT	180
40	ACACAGTTCA TAAAACAGTT	GTCACAACTT	GGACAAAAGT	AACACAGAAG	AACCTTACTA	240
	TGATAATCTA CTTGGAATGT	GGATAAATGT	AAAANGNAGA	AAAGTTAGAA	NGNGCANTAT	300
	GTTTCCTTCT CTGTAACAGT					343
45	SEQ ID NO: 1544					
•	SEQUENCE LENGTH: 340					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01758					
50	SEQUENCE DESCRIPTION:					

	GATCGANCTT NCTATGGACT	CAAGCAGGTG	NNGAAGGCCA	ATNAAGCCAT	GGCAATTGAC	60
	ACATTGCTCA TCAGCGATGA					120
	GTNAGGCTGG TGGACAGTGT					
5	CACGTTTCTG GGGAACAGNT					
	GTTCCCGAAC TTTCTGACCA					
	CTTAAAATTT GNGACAATCT					340
•						
	SEQ ID NO:1545					
10	SEQUENCE LENGTH: 339					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	4014				
	CLONE: HUMGS01759					
15	SEQUENCE DESCRIPTION:	•				
	GATCTGCTTT CATTAACTGG	AATTCTGTAG	GAGATACTGG	TGACCTAAGC	TAAGTTGCAC	60
	TCAGCATACT CAGTGTCAAG					120
	GGGAAAACAT GTTCAGGGCT					
	CTGGTGCCAA ACTTCGAATG					
20	TCCTAATAGA GTAATTCTCC					
	AGCTAAGTTA CTTGATTAAA					339
	Additional Official Control of the C					
	SEQ ID NO:1546					
25	SEQUENCE LENGTH: 362					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	-				
	CLONE: HUMGS01760					
	SEQUENCE DESCRIPTION:					
30	GATCTGGTAG AAGGTACCAG	CTTCCTTTCC	AGCTGGAGAG	GCCCCAACAC	TGGATGGTTC	60
	TGTAGGGAGC CTAGGGAGCC					
	CCCACTCTGA GCTCCCACGA					
	GGCAGAGGCA GCTGGAGCGC					
35	ACTGAGTGGC TGACAGTTAT					
	GGCTTGATGG TGGNCAGGCT					
	TN					362
40	SEQ ID NO:1547					
40	SEQUENCE LENGTH: 335					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01761					
45	SEQUENCE DESCRIPTION:					
	GATCCTTTCA GAAAAGAAAC	ACTGGGTCCC	ATAGCTAAAT	TCTCAACCGC	CANGCACCTT	60
	CAGAAGAATC CAGCCTAATA					
	TCCATCCCTC ACCACAGTTG					
50	TGGGGAGAGC CACAACTCCA					
50	GAAGACCAAC AAGTTTTGTC					

	TAAAATACTA GGTCATTGGA	GGCTAATGTG	GGAAA			335
	SEQ ID NO:1548					
5	SEQUENCE LENGTH: 330					
	SEQUENCE TYPE: nucleio	cacid				
	TOPOLOGY:linear					
	CLONE: HUMGS01763					
10	SEQUENCE DESCRIPTION: GATCATTAAG GAAGGCGATC		ACATTCTCAT	CATCAACATC	4 T 4 4 TOTTOO	C O
	TGCAAATNTT GACACATATO					
	AGTATACTGN TCCTTATTTT					
	AATTATAAAA TGTTAATAGI					
15	NCCACTTGGG GAACCATTCO					
7.5	TNNAATGGTT TTNCAAAGTN					330
	SEQ ID NO:1549					
	SEQUENCE LENGTH: 330					-
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01764					
	SEQUENCE DESCRIPTION:					
25	GATCATGGTG GATGAGGAAG					
	GCNTTCTCCC AGTGTGCTCT AGGTGTAAGA AACTGTTTTN			-		
	CCTTTTAAAT ATTCTTTTTA					
	TATACAACCA NCCAGTTTCT					
30	GACAATAAAA NNTGTNCTCT				difforthol	330
	SEQ ID NO:1550					
	SEQUENCE LENGTH: 329					
35	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01765					
	SEQUENCE DESCRIPTION:		*****			٠,
40	GATCAACATC TTTCCTTGCC					
	GGGGGCAGTG GTGTGGAGAA CCAGAGGAGG GCAGCAGAAG					
	GGCTCTTCTC ATTTCACCCC					
	TGGGGCAGTG GGTCCCAGAT					
45	TATTAAATTA AAATTTNTGT					329
						-
	SEQ ID NO:1551					
	SEQUENCE LENGTH: 334					
50	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY:linear				•	

	CLONE: HUMGS01766					
	SEQUENCE DESCRIPTION:					
	GATCCCAACT GCTCCCTNCC					
5	GCAAAGAGTG CAAATNCACC					
	GTGCCAAGTG TGCCCAGGGC					
	CCTGATGCTG GGACAGCCCC					-
	TTTTTATGTA CAACCNTGAC			CTTTTTCTAT	GAAATAATGT	300
10	GAATGNTAAT AAAACAGCTT	TNACTTGAAA	CAAA			334
	SEQ ID NO:1552					
	SEQUENCE LENGTH: 328					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear	4014				
	CLONE: HUMGS01767					
•	SEQUENCE DESCRIPTION:					
	GATCTGTTTG GACTATGTTT	TCTTTTCTTC	TCCCACTTGC	TCAGCAGCTT	GGGCTTCCAT	60
	TCTAGTTCTT TTACCAAGAT					
20	TCAATTTCCT TGTGAAAACA					
	AGCTTCTGGT GATATCTTTN					
	CTCATAAAAG TGAGCTTTGA					
	TAAAATATTT GTGCTCAACT					328
25						
	SEQ ID NO:1553					
	SEQUENCE LENGTH: 327					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear					
50	CLONE: HUMGS01768					
	SEQUENCE DESCRIPTION:					
	GATCGAAATG TTAACACCGG	GAGCTCTNCA	GGACACTCAC	CCAGCGACGC	TCGTGGGGGA	60
	AACATACTAA ACGGACAGAC	TCCAAGANCT	GCCACCGCTG	GGCCTGCACT	GCGGCCCCC	120
35	ACGTGAACTC GGTTGTAACG	GGCCNGGGAA	GAAAAGCAGA	GAGAGAATTG	CAGAGAATCA	180
	GACTCCTTTT CCAGGGCCTC	AGCTCCCTCC	AGTGGTGGCC	GCCCTGTACT	CCCTGACGAT	240
	TCCACTGTAA CTACCAATCT		TAAGACAGTT	TTGTATCATT	TTGCTAAAAA	300
	TTATTGGCTT AAATCTGTGT	AAAGAAA		•		327
40	SEQ ID NO:1554					
	SEQUENCE LENGTH: 326					
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	acru				
45	CLONE: HUMGS01769					
-	SEQUENCE DESCRIPTION:			•		
	GATCAGCAGA CCACGTATTT	AAAATTCTGA	ATCTTCTGGG	ACAGGGTTGT	AACTCAGCCT	60
	TCCAAAGGGA AGAGTGCAGG					
	TATTTNTTTA TTGGCTGTTA					
20	TATTTAGGCA ACTGATGGTC					

	CATGATATAA GGAATGGGCT	CATGTGTCTT	CCGTCTTTTG	GAAGGAGGTT	GACATATTTT	300
	AAATAAATGC TTTTAAATAC	AGTAAA				326
5	SEQ ID NO:1555					
	SEQUENCE LENGTH: 387					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	40.0				
	CLONE: HUNGS 01770					
10	SEQUENCE DESCRIPTION:					
	GATCAAAAAG AACAGAACCC	TCTCCAGCCT	GCTGACCCGA	ACCCAACCAC	ACAATGGTTT	60
	GTCTCAATCT GACCCAGCGG					
	GAGGTCCCGC AGGAGCCTAG	CGCCTGGCTG	TGTGTGCGGC	CGCTCCTCCA	GGCCTGGCCG	180
15	TGCCCGCTCA GGACCTGCTC					
	AAGATAACAG ACTCCAGCTC					
	CACGAGAGCT CCGCAGCCGT					
	AACGTCCTTG ACTTTATAAA			-		387
20						
	SEQ ID NO:1556					
	SEQUENCE LENGTH: 325					
	SEQUENCE TYPE:nucleic	acid	•			
	TOPOLOGY: linear					
25	CLONE: HUMGS01771					
•	SEQUENCE DESCRIPTION:					
	GATCACAGAT GGATNTTGTT					
	NACATTGTTT GTTTCTTCCA					
30	TACGGTTAAT AACTAAAATT					
	AAGAAAGCAT TGCTGCTACA					
	CCCAGTTGTC AGTCAGAGCC		TTCATTGTTT	AAAATGTCAC	CTGTAAAATG	
	GGCATTATTT ATGTTTTTTT	TTTTN				325
35	SEQ ID NO:1557					
	SEQUENCE LENGTH: 322					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear			•		
	CLONE: HUMGS01772					
40	SEQUENCE DESCRIPTION:					
	GATCTGTAAT TCATAGTCAC	ATCAAGGTCA	TCAAGACCAG	GAAAAACAAG	AAAGACATAC	60
	TCAATCCTGA TTCAAGTATG					
	TTGACGATAA TGTTTATGGN					
45	TTGAAATACA ACACTATACA					
	GGGGTATTGG GAGTNCTTTT	TTAATTTNCC	ATAGTTTTT	TTAATAAAT	GGCATATTTN	300
	GCATCTACAA CTTCTATAAT	TN				322
	SEQ ID NO:1558					
50	SEQUENCE LENGTH: 319					
	andanien uniteritials					

	SEQUENCE TYPE: nucleio	acid				
	TOPOLOGY:linear					
5	CLONE: HUMGS01773					
3	SEQUENCE DESCRIPTION:					
	GATCTTTCTT TAATAGTGAA	CCCCTGGGCC	ACTGAAGAGT	AACATGGCTC	CACTGGACAC	60
	AAAAGAGGGA TGGAATCAAC					
	AACTATTTCA TCTTTGGACT					
10	GAAAATAATG TTACAAAAGC					
	GGTGTTTTAA ANTGANGAAA					
	CAAACAAACA AANCAGAAA				TATTUM TAN	31.9
						0.0
15	SEQ ID NO:1559					
15	SEQUENCE LENGTH: 316					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01774					
20	SEQUENCE DESCRIPTION:					
	GATCTGGCTG CGCTATGACT	CCGGGAGCGN	CACCCACAAC	ATGTACCGGG	AATACCGGGA	60
	CCTGACCACC GCAGCGCTGT					120
	GAGCCCACTC CATTCANATC					
25	CACATTATGG CTCTCATTGA					
25	CTTGCGCGAA AATCTACAAG					
	TNAATAAATA ATCGTN					316
	SEQ ID NO:1560					
30	SEQUENCE LENGTH: 390					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01775					
35	SEQUENCE DESCRIPTION:					
	GATCTAGAGG GTCGGACCCA					
	GATATCAGAT TTGAACTGTT					
	AGCGTCTGCA CAGAGGCTGG					
	AAGGATTTCT TGGAAGCTGT					
40	CCTCGTTACA TGACATACAA					
	ATCCTAACCN TATATAGACT		CAATTCATAA	ACAAATAAAT	GGCTTCAAAA	360
	TTGAAAAAA NNNGANNNNN	NNNNAGNNNN				390
	070 ID VO 1501					
45	SEQ ID NO:1561					
	SEQUENCE LENGTH: 311					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
50	CLONE: HUMGS01776					
50	SEQUENCE DESCRIPTION:	TO 1 0 TO 1 1 0 T	000010010	T00 1 000000		•
	GATCTGCTTA GAGTGGATTT	IUAUTUAAGT	CCTTAGTAAG	IUGATTTTGG	GGAAAAAAGC	60

5	ACCTGGGCTT CTGGTTCTTT TTTGCAAAGG AGAGGCACTC TACTCAGATG TTGGTCATTG AATGAGTGTC ACTTCCCTCT TCACTTCGAA A	AAATTTGAAA ACCACTCTGT	GGTTATTTTA GCATATATTT	ATGTGATAAT CTGCAGAGCT	TTGGAAGACT CTGTGAAGGC	180 240
10	SEQ ID NO:1562 SEQUENCE LENGTH:310 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01777 SEQUENCE DESCRIPTION:	acid				
	GATCTTTCTA CAACATTTAT GTTTTTATAG CTCCATCTCT TTTGTNATTT CATAAACCAA GTATAGAAAA ANTGGATTTN ATNGTATTGT TTAATTNGTC TATCTCCAAA	CCTGCTTCTT TTAATACACA GGATGCCTCT	TAACTTGATA GATAAAATGA CATATGTAAT	ATGCATACTT CTGTATATCA TAGTTCTATT	GATTTTCCTA AACCATGTTT AAACATATTA	120 180 240
25	SEQ ID NO:1563 SEQUENCE LENGTH:307 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		·		
30	CLONE:HUMGSO1778 SEQUENCE DESCRIPTION: GATCGAAAAA AAAATCCAGA ATAACAATCA ACCAACAATG AAATGACGAG CCCTCGCCTC TCTGCACAAA CTAGATTCTG	GAAACCCATT TTTCTTCTGA	GAAGAGTTGC AGAGTACTCT	AAAATGTCCA ATAAATCTAG	AAGGGTGACC TGGAAACATT	120 180
35 _.	TTTGTCTACA TTTTTNGGGC GTCTAAA					
40	SEQ ID NO:1564 SEQUENCE LENGTH:305 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01779 SEQUENCE DESCRIPTION:	acid				
45	GATCCTGTGG TTGGCCACTG CCCCTCCCAG GGACCGACCC CTGCACTTGC TGAGGTTCCC NACTGAGGGT ACTGGCCTAG GGGAAAANAG CTCTCAATTT	CTGGCCCAAG CATCATGGGC CCATGTGGAA	CTCCCCTTGC AAGGAAGGGA TTCCCTACNC	TGGCGGGCGC ATTCCCACAG TGACTCCTTC	TGCGTGGGCC CCCTCCAGTG CCCAAACCCA	120 180 240
50		•				

	SEQ ID NO:1565 SEQUENCE LENGTH:304 SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY:linear CLONE:HUMGS01780 SEQUENCE DESCRIPTION:					
	GATCACAGCT AGAGAATTGA					
10	TGGGATTAAA CACTTCCTAC					
70	GACTAGTTTT ATTTTTGTGC					
	TTGACACCAT TTGCTTCAGG					
	TCCGTTTTTT CACAAGACTT	TTAATAAAA	GAAATTGTAG	AAATAAACAC	ATTAAAATTT	300 304
15						001
	SEQ ID NO:1566					
	SEQUENCE LENGTH: 304					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear	* * *	•	•		
20	CLONE: HUMGS01781					
	SEQUENCE DESCRIPTION:					
	GATCTGCTTT CTCGTAATTA					60
	AAACATATAG TGAGTACTCT					
25	AGCATAATTA ATTTGATACT (
	ATTGCAGAGT AGTAGTTANN N					
	TGGNCAATTG GGGTATTTCC A	AGTTTTAGCT	ATTACAAATA	AACCTGCTGT	GACATCATGN	
	CAAA					304
30	SEQ ID NO:1567					
	SEQUENCE LENGTH: 304	•				
	SEQUENCE TYPE: nucleic a	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS01782					
	SEQUENCE DESCRIPTION:					
	GATCTGCTAT AGCTGTCCAT C	CAGAGAGAAT	ACACGTGGCT	ATAACATCTA	TAACAAAACG	60
	ACGATTCCTC TACAAGAGGC T	FGTTTCTNAC	TGCTAACGTT	GGTGTTTCTG	GCGTGGGAAG	120
	AAATGCACAG GCGTGCATGG C	CATGCACGIN	CAGACAGCTG	CATTGTAAGA	NTNCTGTCAT	180
40	GCAGTCTGAA AAGGGAAGAA A					
	ATTGTNGTAT TATTAGATTA C	CTGATTTTCC	TTTTCTGAAA	ATACATTTGN	NTTTTAATCA	300
	CAAA		•			304
45	SEQ ID NO:1568					
70	SEQUENCE LENGTH: 304					
	SEQUENCE TYPE:nucleic a	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01783					
50	SEQUENCE DESCRIPTION:					

	GATCTGCTGT TGCTGAGAGT					
	AGAATTAATG TTTTCAAATG					
5	TCATTATTTC GTTTTTGTTT ACAGAGTGTT ATATATATAT					
	TCTGTAGCAT AAAAGGTTAA					
	CAAA	ACIAIIIIAA	GUACANANIA	AAAA I AGGAG	IGIATITAAA	
	CAAA					304
10	SEQ ID NO:1569					
	SEQUENCE LENGTH: 303					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
15	CLONE: HUMGS01784					
70	SEQUENCE DESCRIPTION:					
	GATCCAGGGA TGAGGATAGA	GTGGCCTGAG	AGCAGTGCTT	GGATTCAGCC	TCCTGCTGGG	60
	TCCTTCTGCT GGATACAGGC					
	GGGTGCCNGG TGGTGTGTAG					
20	GACTGTTGAT TTGTTGAACA					
	TTGGCAACAG GTGAATGAAC	CTAGAGCGGT	GACATGAAAA	TAAAGCTCAC	TGTTACTCGC	300
	AAA					303
	SEQ ID NO:1570					
25	SEQUENCE LENGTH: 302					
	SEQUENCE TYPE:nucleic	acid	•			
	TOPOLOGY: linear					
	CLONE: HUMGS01785					
30	SEQUENCE DESCRIPTION:					
	GATCCCCCGA CGACGTGCTC	GAGTTCCTGA	AGGTGTATGA	GANGCACTCT	GCCCAGTGAG	60
	CACCTGCCCT GCCTGCATCC	GGAGAATTGC	CTCTACCTGG	ACCTTTTGTC	TCACACAGCA	120
	GTACCCTGAC CTGCTGTGCA	CCTTACATTC	CTAGAGAGCA	GAAATAAAAA	GCATGACTAT	180
35	TTCCACCATC AAATGCTGTA					
	GCCACTGGTG TTAAGATATA	TTTTGAGTGG	ATGGAGGAGA	AATAAACTTA	TTCCTCCTTA	300
	AA					302
	SEQ ID NO:1571	•				
40	SEQUENCE LENGTH: 307					
	SEQUENCE TYPE:nucleic	acid				
,	TOPOLOGY: linear	aciu				
	CLONE: HUMGS01786					
	SEQUENCE DESCRIPTION:					
45	GATCCATTTT GCTTACACTG	TTGCATCACA	AGGGACTCAC	CCAGGGACCA	TGACCTGCTG	60
	GTGTGTGT ATATTTACAA					
	AATCACAAAC TAAAGACTGC					
	ACAGTGGGTT TTATTGTTTT					
50	TGATGTAACA AAATGCTATT					
	AATTAAA					207

	SEQ ID NO:1572						
	SEQUENCE LENGTH	:301					
	SEQUENCE TYPE:	ucleic a	acid				
5	TOPOLOGY: linear						
	CLONE: HUNGS0178	7					
	SEQUENCE DESCRI						
	GATCCATTAC CTAG		TTCTCCTGA	ATGTCAAACA	AAGAGATAAA	CTACATTTCC	co
	GTTTTGGGAA GTCC						60
10	TTAATACGTA TTTT						
	TGAGAGGTTC TGAA						
	AAGCAACTTA CAAA						
	A	niline A	MUNICINII	CANTAAAUCA	GITIAGCITI	GGIAIAICAA	
15	n.						301
13	SEQ ID NO:1573						
	SEQUENCE LENGTH	. 202					
	SEQUENCE TYPE:n						
	TOPOLOGY: linear	icieic a	.c1a				
20		,					
	CLONE: HUMGS0178						
	SEQUENCE DESCRI		00000000	0000100110	000000000000		
	GATCCTCAGT GTGC						60
	CTGGACCTCA TCGG						
25	CCCCGACAGC ATGG						
	AGCTGCAGCC TTTN						
	GTCTNGCCCC AGAT	ignaat n	AGTTTTTA	ATTTCATTGN	AAGGATTTTG	AANTTCCTTG	
	AAA						303
30	000 ID No 15-1						
	SEQ ID NO: 1574						
	SEQUENCE LENGTH						
	SEQUENCE TYPE:nt	icleic a	cid				
	TOPOLOGY: linear						
35	CLONE: HUMGS01789						
	SEQUENCE DESCRI						
	GATCTGTGTT CGAAT						60
	GCACAATGTT TTGG1						
40	AGATGCCAAG ACCAC						
	CGTTATTTTT ATTT						240
	AGAAAAATCA ATGAA	ATTGT T	TACTACTGT	AATAAATTT	AACCGTAAAC	TCTGAAA	297
					•		
	SEQ ID NO:1575						
	SEQUENCE LENGTH:						
	SEQUENCE TYPE: nu	cleic ac	cid				
	TOPOLOGY:linear						
	CLONE: HUMGS01790	•					
	SPONENCE DESCRIP	TION.					

5	GATCAGGCCG TINCTGAGCT ATAGCCCGAA AACAGCCCAT GCTGTCCAGA ACAGCCCTAA GATGACGTCT ACAAGGAAAA TGCCTCATAT GCCCCAAATG	GCTGGATGCC GGNTTGCCAC CCTTGTGGAT	GCTACTGGCA CGGGACAAGA GGCTTCTAGG	AGTTTGTNTG GGACCCAGAT GAACAGNGCT	GGGCTCCCTC TGTTTACAGT GGATTCCTTG	180 240
10	SEQ ID NO:1576 SEQUENCE LENGTH:300 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01791 SEQUENCE DESCRIPTION:	acid				
15	GATCCAAGAT AAAGAAGGCA GCTGGAAGAT GGCCGCACTC GGTCCTGCGC CTGAGGNGGT GATGGCATTA CTCTGCACTA CAGTAATAGC TNGAACCTGT	TTTCTGACTA GGCTGTTAAT TAGCCATTTG	CAACATCCAG TCTNCAGTCA NCCCAACTTA	AAAGAGTCGA TGGCATTCGC AGTTTAGAAA	CCCTGCACCT AGTGCCCAGT TTACAGGTTT	180 240
20	SEQ ID NO:1577 SEQUENCE LENGTH:295 SEQUENCE TYPE:nucleic		,	Touridinatu	UUNUCATAA	300
25	TOPOLOGY:linear CLONE:HUMGSO1792 SEQUENCE DESCRIPTION: GATCTGGCTT CTTTCCCAAG	GNGGGGGTGG	GGTGTNCCTN	GCGTCCCTGT	CCTTGANGGA	60
30	CCTCCTTCCC CCAGCCTCAT CAACACCAGG GAGAGGCGGA GCCTTTTGCT ACAATTTGTA TTTAAAAAAA GGAAAACTGC	TGCAGAGCCC ACTTATTTNC	CACCGGTGGG TAAAGTCTAT	AAAGTTGCCT TTTGTAACAA	GTGGAAGGGA TTTATTTAAG	180
35	SEQ ID NO:1578 SEQUENCE LENGTH:297 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE:HUMGS01793 SEQUENCE DESCRIPTION: GATCTAAAGT TCTGGCTGTC TGATGTGCCT TTCCTTGCCT	AAATCCCTTC	CTGGTGTGTA	TCAACATTAT	TTAATGTCTT	120
45	CTAATTCAGT CATTTTTTA ATTTATTCCA CTACTGTAGC CATAACCTCA ATGNCTNNTT SEQ ID NO:1579	AATTGACAGA	TTAAAAAAAT	GTAACTTCAT	AATTTCTTAC	
50	SEQUENCE LENGTH: 289 SEQUENCE TYPE: nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGS01794 SEQUENCE DESCRIPTION: GATCTCTCTT GTCCNCTNCT TAATAGAACA GCCGTGGGCT AAAAACACTA AACATTCAAT TAAGGGGCTT GTGTTCTGCN	GCTCTTTNCT TTTGGGGACC TCCAGAGAAC CCATACCTTT	TTTAACTTTT CAAAAATCCC NCTCTTTNCT	TTTNCTCTCT ACCTTCCCAC TTCTGTCTTG	TTTGTTTATA CGAACACTAC	120 180
10	TAAAAACAAA TGAGTTTTTT	ATATAAATAA	AGTTTTTAAA	GTGTGTAAA		289
15	SEQ_ID NO:1580 SEQUENCE LENGTH:287 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01795 SEQUENCE DESCRIPTION:	acid				
•	GATCCCATCC GCATGGAGTT	TGAAAATAAG	GAAGACTTGT	CGGGAACACA	GGCAGGGCTC	60
20	AACGTCATTA AAGAGGCAGA					
	AAGAAGCTTT CAGACTACGT					
	CAAAGGGGAC AGGGAGCTCC				GCAGAAGCAG	240
	CTGATGCTGT ACTATCACAG	AAGNCANGAG	GNGCTCANGA	GATTGGN		287
30	SEQ ID NO:1581 SEQUENCE LENGTH:285 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01796 SEQUENCE DESCRIPTION:	acid				
	GATCTATTGG CATATTCGGG	AGCTTCTTAG	AGGGATGAGG	TTCTTTGAAC	ACAGTGAAAA	60
	TTTAAATTAG TAACTTTTTT	GCAAGCAGTT	TATTGACTGT	TATTGCTAAG	AAGAAGTAAG	120
35	AAAGAAAAAG CCTGTTGGCA	ATCTTGGTTA	TTTCTTTAAG	ATTTCTGGCA	GTGTGGGATG	180
00	GATGAATGAA GTGGAATGTG				CCATGTTCAT	240
	TTGTCTACCT CTTAACTGAA	TAAAAAAGCC	TACAGTTTTT	AGAAA		285
40	SEQ ID NO:1582 SEQUENCE LENGTH:280					
	SEQUENCE TYPE:nucleic	aclo				
	TOPOLOGY: linear CLONE: HUMGS01797					
	SEQUENCE DESCRIPTION:					
45		CCCCTCCTCT	ርዋር ነ ርሞሞዋር ር	ር <mark>ተ</mark> ር ተረር ረላ ማመ	TTO LACTOR:	
	GATCCTCCCC TTTTGAAATG					60
	CATCTCACAT GTTGGGAAAC					
	ATTTGCCGAG CCTCTACTGT					
50	GCCCTGCTCA TGAGGAGCCT			IATTATGAA		
50	TTAGAACTGA AAATGGAAAT	AAACTGCTTG	AAAAGACAAA			280

5	SEQ ID NO:1583 SEQUENCE LENGTH:273 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1798 SEQUENCE DESCRIPTION:					
10	GATCAGAATG GACTTCTNCC AACATCGAAA CAAAAGGTCA GTTCCTGGCT CCTTGTTCAG TTATTCAAAC TTGGCTGGCT CTAAATAANT ACTACCACAT	ACTGAGCATG GGTTGTCCCC ACAGCTTGTC CTCTAGTATG	CCGGCACGCT AGTNAAGAAG ACTACGNACA	CCACANCTGG ACANCACGTC	TGACCCGACA TGCACCTNCA	120 180
15	SEQ ID NO:1584 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			•	
20	CLONE:HUMGS01799 SEQUENCE DESCRIPTION: GATCCATATT TGTTTTGTGT AATTGGAAGT ATCAAGGGCT TTATTGTGAC CCTTTTTCAC	TTCTTTGGTG	ATTGAGGGAA	ATAATGTCTC	TACTTGTAAT	120
25	TTCAATTNNC CCTTCATCTG TGTGGAATAA AAATCTCTCT	TATTGTTATA	TCTAAGATTT			
30	SEQ ID NO:1585 SEQUENCE LENGTH:270 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1800	acid				
35	SEQUENCE DESCRIPTION: GATCTGCTTG ACAGTGATTA AGGCCCAAGG ATGGCATGTG CATTGATAAC CAAGTAGCCA ATGATTATCC TCAGGGACAG	ACTGGTCCCT TTTTCCTCTT GATTGGAGGC	GCAAGGTCCT AAGGTTTCCT	TTCTTTGTCA CTACAACCCC	CCAGCCAAGG AAGGACTTTC	180 240
40	GGTAATAAAA TAAATGCTTG	GACTETTAAA				270
45	SEQ ID NO:1586 SEQUENCE LENGTH:269 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1801 SEQUENCE DESCRIPTION:			·		
50	GATCTNGTAA ACTCTCTGTA GTCTGGAATA TAATTGCTGA CAACCTAAAG AGAACCATCT	CTATAAAGTT	AGCAATTATG	CTTTTAAGGT	GTTGTCACAT	120

	GGGATTTCAC TGAGTTTACC ANNTCAACTG TGTGAACTGT TTCTGCACTG CTTGCTAATG 240 GCTTCATCTA ATAAATGTTT ACTTATAAA 269
5	SEQ ID NO:1587 SEQUENCE LENGTH:267 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01802
10	SEQUENCE DESCRIPTION: GATCTAGGGA AGTCAACACA TAGTGTAAAA TAATTACATG CCTAATGAAA AGAAGATGTC 60 ATTTCCTAAT TTTNATATCT CATTTTCGGC ATTTTTTAAA ATGTAAAAGG AAAACCTCTT 120
15	GTGTTCACAC AGATTGCTGA ATTGATTTCT CCATATTTGT TAATAATTTA CTATTATTTA 180 CAAAGATTCA AATGCTTTTA TGACTAATGT AAAATGAAAA GAGGCTTACA TTTTAAATGT 240 TATTAAAATT ATGTACTTAA ATCTAAA 267
20	SEQ ID NO:1588 SEQUENCE LENGTH:288 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01803
25	SEQUENCE DESCRIPTION: GATCGCTTTG AGGTĈAATAT TAGTGAGCTG CCTGATGAGA TAGACATCTC CTCCTACATT 60 GAACAGACAC GGTAGAAGAC TCGCCCATTT TGGAATGTGA CCGTCTNTCC TTCAGGNGAG 120 GACACCAGGN TGGGGGTGAA GGAGACACTA CTGCCCCCAC CCCTGACAGC CCCCACCCCA
30	SEQ ID NO:1589 SEQUENCE LENGTH:266 SEQUENCE TYPE:nucleic acid
35	TOPOLOGY:linear CLONE:HUMGSO1804 SEQUENCE DESCRIPTION:
40	GATAGAATA ATGTTCACAAT GTAACAAGAC TCTACCTGGG TCCCCTGGTG ATGAGTTTCA 60 GCATAGAATA ATGTTCAAGG AAAAGAAAAC GAAAACAGTT TAAATCTCTA CCACAGCCTC 120 ACAAGCAAAT GCTAAGGGGA ACATACATGT AAAANGCCAG CAAACTATCT TCAAACTCTT 180 CCGTCCTTAA TGTCTTCCAT GGCTATTGCC CCCACAATGG TCTCTTTNNT CCCTGCTCCC 240 TTATTAANGA ACTCTTTCTG AAGAAA 266
45	SEQ ID NO:1590 SEQUENCE LENGTH:266 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
50	CLONE:HUMGS01805 SEQUENCE DESCRIPTION:

	GATCTATGAC TCCAACCGTA TGATTTTNTT GCCTCCCCAG TTTTCATCCC AGTGGTAACG 6
	CCTGATTTTT GGTAGCTATG CCATCTTCTG CTGAGGATTA CCATTACTGG GTGTATCACC 120
	CCAGTACTTC CAAATNCCTC TCCTCTATTG ATTCAGTTGT TATTGCAGTG TCTGCTTCAT 180
5	CCGTGGAACT TGAGGCTCAG ATGCCCCCTG CTCTGTAACC CTGGGGAATG TCAGAGGCAG 240
	GTAATAAAGG TTGTTTAAAC AATAAA 266
	SEQ ID NO:1591
10	SEQUENCE LENGTH: 265
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS01806
	SEQUENCE DESCRIPTION:
15	GATCAGGAGA CTTTGAATTN ATATATTTTA ATCCTNATTA AGCTTAAATA GGAAAGTTTC 60
	TTCAACAGGA TTACAGTGTA GCTACCTACA TGCTGAAAAA TATAGCCTTT AAATCATTTT 120
	NATATTATAA CTCTGTATAA TAGAGATAAG TCCATTTTTT AAAAATGTTT TCCCCAAACC 180
	ATAAAACCCT ATACAAGTTG TTCTAGTAAC AATACATGAG ANAGATGTCT ATGTAGCTGA 240
20	AAATAAAATG ACGTCACAGG GCAAA 265
	SEQ ID NO:1592
	SEQUENCE LENGTH: 254
	SEQUENCE TYPE:nucleic acid
25	TOPOLOGY:linear
	CLONE: HUMGS01807
	SEQUENCE DESCRIPTION:
	GATCTGAGAG AAGCCCTGTC CTCCACTCAC CTCACCCGCC GCTGCCACCA TCTCCTCTGT 60
	GCCAACTCCT TGTGGACCGC AAGAAAGCAT GACTTTGAAA AAGGGAAGCC ATTCCGAGAT 120
30	TTTAAAATGT TCATGGACTA TTCCATATTA AAAGCTGTTT TTGTTGTACA AAATTCACTG 180
	ATGTTCAGTT CTATTTTATT TTGCCTTCAG AAAAGAAGAA AGTCAAAAAT AAAACTTTTG 240
	TGTATTACAG CAAA 254
35	SEQ ID NO:1593
	SEQUENCE LENGTH: 255
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY:linear
40	CLONE: HUMGS01808
40	SEQUENCE DESCRIPTION:
	GATCCTGGAG GATTTCCTAC CCCCGTCCTC TTCGAGNCCC CAGTCGTGAT GTGGAGGAAG 60
	AGCCACCTGC AAGATGGACA CGAGCCACAA GCTGCACTGT GAACCTGGGC ACTCCGCGCC 120
	GATGCCACCG GCCTGTGGGT CTCTGAAGGG ACCCCCCCC AATCGGACTG CCAAATTCTC 180
45	CGGTTTGCCC CGGGATATAA TAGAAAATTA TTTNTATGAA TAATGNAAAT AAAACACACC 240 TNGTGGCATG GCAAA 255
	SEQ ID NO:1594
50	SEQUENCE LENGTH: 282
	SECURIOR FITER TOUCHOUS SOLD

	TOPOLOGY:linear CLONE:HUMGS01809 SEQUENCE DESCRIPTION:					
5	GATCCATGAA GGAGGGCTGT	GTGGAGAAGA	TTGGGGACTG	GCTGAGGAAA	AATGTGCTGG	6(
	TGGTAGCTGC AGCAGCCCTN	GNGAATTNCT	TTTGTCGAGG	TTTTGGGAAT	TGTCTTTNCC	120
	TGCTGCCTCG TGAAGAGTAT	CAGAAGTGGC	TACGAGGTGA	TGTAGGGGTC	TNGGCTCCTC	180
	AGCCTNCTCA TCTGGGGGAG	TGGAATAGTA	TCCTCCAGGT	TTTTCAATTA	AACGGATTAT	240
	TTTTTCAGNC CGAAAAGNGA	TGGTCTGAGT	TTNTCTTAGA	AA		282
10						
	SEQ ID NO:1595					
	SEQUENCE LENGTH: 256					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY:linear					
	CLONE: HUMGS01810	•		•	1	
	SEQUENCE DESCRIPTION:					
	GATCAAATAA ACCAGTGTAG	GATATTAAGA	CTATCAATTG	GTGGGATTAG	GCTTGACATT	60
	TTATTTTTAT AAATATATAT	TTNTCCTGAA	TGTGTCTGAG	TCCAAGAGTG	GGCAAAAAAT	120
20	AATTTNCTAC TTTGGACTAA	TCTATAGAGG	TTTTTGAAAG	TCTGCATTAC	TAACTTGTTG	180
	AATTCATGAT ATTCTGCCTA	TGGCACAAAT	TGTAAACCTT	TGTTTTNCTA	AAATAANGTA	240
	ATTGAAAACC TGNAAA					256
05	SEQ ID NO:1596					
25	SEQUENCE LENGTH: 204					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	40.4				
	CLONE: HUMGS01811					
30	SEQUENCE DESCRIPTION:					
	GATCTGCGCT TCCAGAGCGC	ACTAATNCGG	TGCTTTGCAG	GAGGCAAGTG	AGGCCTATCT	60
	GGTTGGCCTT TTTGAAGACA	-	- · ·			
	GCCAAAAGAC ATCCAGCTAG	CACGCCGCAT	ACGTGGAGAA	CGTGCTTAAG	AATCCACTAT	180
35	GATGGGAAAC ATTTCATTCT	CAAA .				204
	GPO ID NO 1507					
	SEQ ID NO:1597					
	SEQUENCE LENGTH: 246					
40	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS01812					
	SEQUENCE DESCRIPTION:					
	GATCATTATT ATATATAGGT	ATTGATTGCT	ACCCTGACCA	CACTCCTTTC	CACTATGAGA	61
	AACTTCTTAG ATTTTNATAT					
45	TCTTAAGNNG AGTTTATGTG					
	GACATGGGCT TTGATTTTTT					
	ATGAAA	IONINGINII	MANOUNIAIO	IONIAMACO	IIIIUMIIA	24
	411111					

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SEQ ID NO:1598

	•
	SEQUENCE LENGTH: 285 SEQUENCE TYPE: nucleic acid
5	TOPOLOGY:linear CLONE:HUMGS01813
	SEQUENCE DESCRIPTION:
	GATCACGCAC ACACAATAAG TCTTTCTCTC CGAAACCGGA AGTAAATCTA TATCTGTTAG 6
	AAATAATGTA GCCAAAAGAA TGTAAATTTG AGGATTTTTT TGCCAATAGT TTATAGAAAA 12 TATATGANCC AAAGTGATTT GAGTTTGTAA AAATGTAAAA TAGTATGANC AAAATTTGCA 18
10	CTCTACCAGA TTTGAACATC TAGTGAGGTT CACATTCATA CTAAGTTTTC AACATTGTGT 24
	TCTTTTTGCA TTCATTTTTT ACTTTTATTA ANGGNTCAAA CCCGN 28
	SEQ ID NO:1599
15	SEQUENCE LENGTH: 241
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS01814
20	SEQUENCE DESCRIPTION:
	GATCTAACTA TGTTTCCCCC CTTTCAAGAA TAGAACTATT GGGGTGAGGA TAAGGGGTGG 60
	GGGAGAAAAA ATCACTGTTT GTTTTTAAAA AGCAAATCTT TCTGTAAACA GAATAAAAGT 120 NCCTCTCCCT TCCCTTCCCT CACCCCTGAC ATGTACCCCC TTTNCCCTTC TGGCTGTTCC 180
	CCTGCTCTGT TGCCTCTCTA AGGTAACATT TATAGAAGAN NTGGAATGAA TCTCCANGAA 240
25	A 241
	ORO ID NO 1000
	SEQ ID NO:1600
	SEQUENCE LENGTH: 239 SEQUENCE TYPE: nucleic acid
30	TOPOLOGY: linear
	CLONE: HUMGS01815
	SEQUENCE DESCRIPTION:
	GATCCAGAAT ACCCTGACCT CGCCCCAGTT CCAGCAGATG TGGAAGCGTT TGCCAAAGCC 60
35	ATGCAGAACA ACGCCAAGCC CGAGCAGAAA GAGGGCGACA CGAAGGACAA GAAGGACGAA 120
	GAGGAGGACA TGAGCCTGGA CTGAGCCACG CGCCGTCCTC CGAGGAACTG GGCGCTTGCA 180
	GTGCGTTGCA CACCCTCACC TCCCACCCAC TGATTATTAA TAAAGTCTTT TCTTTTAAA 239
40	SEQ ID N0:1601
40	SEQUENCE LENGTH: 236
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS01816
45	SEQUENCE DESCRIPTION:
	GATCCAAAGT AATATGTAGG TTCAATATTT TGTAGGTTTT ATAATCAAAT GTCTCCCTAA 60
	AGAGATGACA TAGGGAAGAA AAGCCTAATG TATCATCTTA ATGGATTCAG TTTTTATTAT 120
	GCACAAATAA CTGGGCTTGT AACCTAGGAA TATGATTAGA GCGTGATGCT GGCTTAAAAA 180 ATAGGACTNG TGAATCACAG TTTGTNNNTA ATAAACTACT GGTTGGAAAT ATTAAA 236
50	ATAGGACING IGAAICACAG TITGTNNNTA ATAAACTACT GGTTGGAAAT ATTAAA 236

	SEQ ID NO:1602
	SEQUENCE LENGTH: 235
5	SEQUENCE TYPE: nucleic acid
•	TOPOLOGY:linear
	CLONE: HUMGS01817
	SEQUENCE DESCRIPTION:
	GATCTCCCCG CCGCAGCCTC CTCAGAAGAC ATCGAGCGGT CCTGAGAGCC TCCTGGGCAC 60
10	GTTTGTCTGT GTGCTGTAAC CTGAAGTCAA ACCTTAAGAT AATGGATAAT CTTCGGCCAA 120
	TTTATGCAGA GTCAGCCATT CCTGTTCTCT TTGCCTTGAT GTTGTGTTGT
	UALLILLI III IIIIIIIAAT NATTTTGAGT CCCAAANTAA NGAMMAGAAA
	235
15	SEQ ID NO:1603
75	SEQUENCE LENGTH: 324
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS01818
20	SEQUENCE DESCRIPTION:
	GATCTGCCCA GGTGCGCCAG ACTTCCTAGC ACACGTGCGC GGGAGCAGCT GCTTTGAGTG 60
	CACACACTAC CAATCGTTCC TGGAATACAG GGAGGTGGTG GACGGCCTGG AGAAGGCCAT 120
	CTACAAGGGC CCAGGCAGCG AAGAGGGCCC TGACTGCCCC CCCCGGCCCC CCTCTCGGGC 180
25	TCTCTCACCC AGCCTGGTAC TGAAGGTGCC AGACGTGNTC CTGCTGACCT TCTGCGGGCTC 240
25	CGGGCTGTGT CCTAAATGCA AAGCACACCT CGGCCGAGGN CTGCGNCCTG ACANGGNNAC 300
	CTCTCTGAAC TGCAACACTT GGAN 324
	SEQ ID NO:1604
30	SEQUENCE LENGTH: 235
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUNGSO1819
	SEQUENCE DESCRIPTION:
35	GATCAAAAAG CAAGCAGAAA TCAATCGAGA TTOTAGTGGT TTOTAGTGGT
	ACTGTCCTGT AGGATATTCT CTTCCTGATG GTGCAGAACC CAGAATTAGA AGTTTGTGGT 120
	TACAGCATAC TCTGTCCTTC AGAAAGCGCT GATTCTAGCT GTTGACCCCT TGCAGCTGTT 180
	GGAATCTCTC CAACAACCTC TCTATTCTTC TAATAAATTC COOCCETT
40	235
•	SEQ ID NO:1605
	SEQUENCE LENGTH: 235
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
45	CLONE: HUNGS01820
	SEQUENCE DESCRIPTION:
	GATCCCAACA ATGAAGCCAT TCGAAATGCT ATGGGCTCCC TGGCCTCCNA GGCCACCAAG 60
	GACGGCAAGA AGGACAAGAA GGAGGAAGAC AAGAAGTGAG ACTGGAGGGA AAGGGTAGCT 120
50	GAGTCTGCTT AGGGGACTGC ATGGNAAGCA CGGAATATAG GGTTAGATGT GTGTNATCTG 180
	TAACCATTAC AGCCTAAATA AAGCTTGGCA ACTTTTTTCC CTTTTTTGCT TCAAA 235
	233

	SEQ ID NO:1	606					
	SEQUENCE LE	NGTH: 234					
	SEQUENCE TY	PE:nucleic	acid				
5	TOPOLOGY: 1 in						
	CLONE: HUMGS	01821					
	SEQUENCE DES	SCRIPTION:					
	GATCAAAAAG A	AGAGTGGTTG	TGGAACCTGT	TGGCCCAGTT	GGTTTCAAGC	CAGAGACATT	60
	CAGAAAGTTT 1	TTAGCTCTAT	ATTTGCATGG	TGCTGCGTGA	NGGAGGACCC	CTCTGAATCC	120
10	TGAAACCCCT (
	CCGTTTGGCC 1						234
	SEQ ID NO:16	507				•	
15	SEQUENCE LEN						
,,	SEQUENCE TYP		noid				
	TOPOLOGY: lin		aciu				
	CLONE: HUMGSO		•				
-	SEQUENCE DES			-			
20	GATCTGGAAC C		CCAGACACAG	GCCCTCCCTG	TTCCCCAGAG	AAAGGGGAGC	60
	CCACTGTCCT G						
	CATCTCTCTG C						
	CTGTTGCAAG T						234
25					***************************************		201
	SEQ ID NO:16	808					
	SEQUENCE LEN	IGTH: 356					
	SEQUENCE TYP	E:nucleic	acid				
30	TOPOLOGY: lin	iear					
30	CLONE: HUMGSO	1823					
	SEQUENCE DES	CRIPTION:					
	GATCACATAA A	ACAGATTTG	CATAAAATTA	CCATGATTGC	TTTATGTTTA	TATTTAACTT	60
	GTATTTTTGT A						
35	TTTCCAACTT T						
	TACATTGCCT T						
	TTATTGTACA A						300
	CCCTTGTAGA A	TATGTATTA	ATCATTCTAC	ATTAAAGAAA	ATAATGGGTT	CTTAAA	356
40	SEQ ID NO:16	na					
	SEQUENCE LEN						
	SEQUENCE TYP		acid				
	TOPOLOGY: lin		001 G				
45	CLONE: HUMGSO						
•	SEQUENCE DES						
	GATCACCTAT G		AACATTTGGG	ATAGTCGTCT	TTAAAAGACT	TGGTGTTATT	60
	TACAGTGTTT G						
	GTAAAAGTGA A						

	CTATGAAATA CGAAGNCCTT	AATTTTGTA	C AATAAACTT	T TATTTGTAA.	A	230
_	SEQ ID NO:1610					
5	SEQUENCE LENGTH: 227					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01825					
10	SEQUENCE DESCRIPTION:					
	GATCTGTTGA ATATTTGCTA	AAGACCAGTT	CTTTAAGCTA	AGACATGTAA	L AAAATCCCAA	60
	ATGGCAGTAC CTCATTGTTT					
	TACTGTAAAT TGTGAATAGC					
15	CAGTGTCATC TCTGAGAAAC					227
	SEQ ID NO:1611					
	SEQUENCE LENGTH: 234	•				
	SEQUENCE TYPE: nucleic	acid .			-	
20	TOPOLOGY: linear	acru				
	CLONE: HUMGS01826					
	SEQUENCE DESCRIPTION:					
	GATCTAGCCA AGGCTGGTCT	GCAGTATCAG	ATGTCGAAAC	TCATCTACTA	TTAGCCATAT	60
	TTTGTGAGTC GTTTGTCTAA					
25	TGGATTTCAA ACATGGACAG					
	TTTGCTGTTA TTTATTTTT					234
	SEQ ID NO:1612					
30	SEQUENCE LENGTH: 226					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear	4014				
	CLONE: HUMGS01827					
	SEQUENCE DESCRIPTION:					
35	GATCTGTTGG GTTCTCTATT	AATTTATTTC	ATACATTATA	GATTCTGGGT	TGATAAATTC	60
	TGCTCAATTT GAAAAATTTT	ATATTTTGTC	TCAAATCTGT	TACAATTTAT	ATTGGTGGGN	120
	GCAAAAGTAA TTGCGGTTTT					
	CACCACCCTA ATAATATTAA					226
40						
	SEQ ID NO:1613					
	SEQUENCE LENGTH: 224					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear					
	CLONE: HUMGS01828		-			
	SEQUENCE DESCRIPTION:					
	GATCGGGAAC TGGCTCCGTT	GTGCTGAGGT	CATCTTTGGT	CATCAGCCTC	CAGCATNTGG	60
	AAACACCTCC AACGCAATGT					
50	TACTGGGAAT ACACAACACC					180
	TTATTNGTTT TTTTAAAATG	AAAATAAAA	NGTTATATAT	TAAA		224

	SEQ ID NO:1614 SEQUENCE LENGTH:222 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01829 SEQUENCE DESCRIPTION:
10	GATCAGCAGA TACATGTCAG TGCAGAGGTT CTCTGCCCTC CAGAAGCCCT CGTCTGGGAA 6 TTCGAGAGAG GAGGAGGACC CAGGGCCAAA GGAATCCTCA AACTTCCCTC CAAGGGAGAT 12 ATTGTAAGGG GAAAACAAAG TGTTTATTTC CCCAAAACAA CCCAGCTTCA CCCCATGTCC 18 CTTCTACACG CTTACTCACT GAGGGTGAGT GGGAACGNTA AA 222
15	SEQ ID NO:1615 SEQUENCE LENGTH:222 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
20	CLONE: HUMGS01830 SEQUENCE DESCRIPTION: GATCAGAATA TGTATGCAGT TCTTTCTTTA ACCCTTTTTT CTCCTATGTA CTGTGAACAT 60 TTAAAAAGTA CTTTTAAATA TTCTTTGGAA ACTTAGCTTT TAGTAACTAC TTGGTTGTAT 120 CATAATTNAT TAACTANTGN NTTATTGGTA AACATTGGCT TGCCTCCCAT GACTTGCCAT 180 TATAAATTAAA ACTGTGACTA CTATCTGTCT CCATTNCATA AA 222
25	TATAATTAAA ACTGTGACTA CTATCTGTCT CCATTNCATA AA 222
30	SEQ ID NO:1616 SEQUENCE LENGTH:219 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO1831 SEQUENCE DESCRIPTION:
35	GATCCCNTTC CCACCCTCTC TGTTGGCCTC AGAGTCACTC CTGCCCCCTC TCCCTGACTT 60 GGTGCTCACA TGCACCTCAC TAGGGTTTGT GACCAGGGTC TGGATGAGCT TGAATTTGAA 120 TGAATTGAGT TTGTATTTNT AGAACCCTGG GTTTTTACAT GTTTGGTCTT TTTTNGTTTT 180 GGTTTGTCAC CNTCGATAAA GGAAGTATAT TCATCCAAA 219
40	SEQ ID NO:1617 SEQUENCE LENGTH:220 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01832
45	SEQUENCE DESCRIPTION: GATCGCGGCG GANTNGGCCC CGCCGCCTGG TACTCAAGCC CGCGGGGACA TTGGGAAGGG 60 GACCCCCGCC CCCTGCCCTC CCCTCTCTGC ACCGTACTGT GGAAAAGAAA CACGCACTTA 120 GTCTCTAAAG AGTTTATTTT AAGACGTGTT TGTGTTTGTN TGTGTTTGTN CTTTTNATTG 180 AATCTATTTA AGTAAAAAAA AAAATTGGTT CTTTATTAAA 220

5	SEQ ID NO:1618 SEQUENCE LENGTH:216 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01833 SEQUENCE DESCRIPTION					
10	GATCANGGCA CTTCAACTCA GNGGGGTGTT GAGCCACCCA TCACCCAGGG CCACAAGGCC AGTGCANTGG GCATAGTAAA	TTTGGAAAAT TCANACCCTC	TTTAGCTGTG NTTANCGGCA	CAAGATAAAA	GCAGCCTGGG	120
15	SEQ ID NO:1619 SEQUENCE LENGTH:214 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS01834 SEQUENCE DESCRIPTION: GATCATAGAA AATAAATAGA TTTGTTTGCA TTAATTTTTT CAGTTTTTAT TGTTTTGTAA	AGAGACAGTG TCATTTGTCA GTAAAATTAC	AAATGCTTCT GTAGCTGATT	TTTGTTGCCA	CAGTAAAGAA	120 180
25	CCATAATAAA AATTATTGTA	TGTTTACTGT	GAAA			214
30	SEQ ID NO:1620 SEQUENCE LENGTH:214 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01835 SEQUENCE DESCRIPTION: GATCAGAGTG GCCCACAGAC	ATTGCTTTCT				60
35	TCCTGGGCTG GACCACTTGA GGTATGGGGT TTATNATGCT TACAAACTTG AAATAAACCA	ATAAAACAAT	GTCTGAAAAG			
	SEQ ID NO:1621 SEQUENCE LENGTH:211 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01836 SEQUENCE DESCRIPTION:	acid				
45	GATCTGTGTC ATAAGTGACT GATGGCTGGC TGGTGTTTTT CTGCAGGCCC CATACTGAGC TACACTGAAA ATAAAACCTC	CAGCCTTCCG CTGGACTGAA	GTTTATAGAC AGTATCCACT	TGTATTTATC	TAGTGGATTC	
50	SEQ ID NO:1622					

5	SEQUENCE LENGTH:211 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01837	
	SEQUENCE DESCRIPTION: GATCTGAGAT GGAAGAGTTT CATCCCAAAA CCATCT AAATTGTCTT CCACAAAACC GGTCCCTGGT GCCAAA ACAAAAGTAA TTGTGGTTTT TGCACNGTTG GAATTT	AAGG TTGGGGAACT GCTGGTCGGT 120
10	TTAAATAAAT GTGGTTATGT TATACATCAA A	211
	SEQ ID NO:1623	
	SEQUENCE LENGTH: 212	
15	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUMGS01838	
	SEQUENCE DESCRIPTION:	
20	GATCAGCGAG GTTCTCCAGG ACCTTAGGTT TGATGC	
	CCCCAGGGAT GCCGCCGAGG GAGATGGGAA ACGGGGG	
	ACTGCCAGCT GGCTGGGGTC GCGCCCCACT GCGCTGG CCTCCCACAA TAAAGAGCTC CTCCTCTGTA AA	
	CCICCOACAA TAAAGAGCIC CICCICIGIA AA	212
25	SEQ ID NO:1624	
	SEQUENCE LENGTH: 208	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS01839	
30	SEQUENCE DESCRIPTION:	
	GATCTATGAC AATGTATAGT CAATAAATGA TAGCAAT	TAT TTTTAATTAT CAAAATAAAT 60
	TGTTAGAGAT TCAAGTTAGC ATACAAAATG GAAATAG	
	AAAACATAAA CTCAAGACTT TATTCCTCTT CCTGTTC	TAT CAAAATTGTG CCAAGTAAAA 180
35	AANTAAAANT TGTTCTTTTT ATTTCAAA	208
	SEQ ID NO:1625	
	SEQUENCE LENGTH: 210	
	SEQUENCE TYPE: nucleic acid	
40	TOPOLOGY: linear	·
	CLONE: HUMGS01840	
	SEQUENCE DESCRIPTION:	
	GATCTAGATG GCAGATAGGA ACTTTNTTGT CACAAAA	ATA CTGGAGGAAA ATNTTGTAAA 60
45	AATAGACTTT TGGACACACA GCTGTTGGGG CTGCACT	
	TTATAACTTA ATGTTTCTGT TTATAAAATA CTAATGA	TTT GCAATGTATT TTACTGGCCA 180
	ATTAAAACAG ATGTTTTATT CTTTCTGAAA	210
	070 to ve 4000	
50	SEQ ID NO:1626	
	3.5 LITTE (N. J. B. B. B. B. B. B. B. P. J. C.	

	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01841	acid				
5	SEQUENCE DESCRIPTION:					
	GATCCAGGAT TCTGGGAGGC					
	CTGGGNCGGG GCTGGAGGTG					
	AGAGCTGCAG AGAGCACCTG		AGAAGTGTAA	CTCACCAGCC	TCTGCTCTTA	180
10	TCTTTGTAAT AAATGTTAAA	GCCAGAAA				208
	SEQ ID NO:1627					
	SEQUENCE LENGTH: 203					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS01842					
	SEQUENCE DESCRIPTION:					
	GATCTCACAG CCACGAATTT					
20	TTTATTTTAT TCTATCTTGT					
	AAATACCTTG AAGGAAAGGA		TCTTTGGTGC	CTGGTGTTTA	GTTTTAATAT	180
	TTTATTAAAT ACATCCAAGG	AAA				203
	SEQ ID NO:1628					
25	SEQUENCE LENGTH: 203					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01843					
30	SEQUENCE DESCRIPTION:					
	GATCCACTGT TCAATCTGCA					60
	AGAGGACCGT GGACAGGGAA					
	AATAACCAAG AGTTTTATTT		AGCTGTCGTT	CACTTTTTAC	CCACCCATTC	
	AATAAACCTT ACAGAATTGC	AAA				203
35	SEQ ID NO:1629					
	SEQUENCE LENGTH: 201					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
40	CLONE: HUMGS01844					
	SEQUENCE DESCRIPTION:					
	GATCCAAGTA ACAGTGACTG	CAGTTAGGGT	CGAGAGCTTC	TCCGAAGCAG	CGGTCATGCA	60
	GGCTTTTGTG TGGCTGACGC					
45	TGTGGACTTT TCCCACCAGG	GACTCAATGG	GGACTCAATG	TGCAATATTC	AGTCAACATA	180
	AAACTCTTTA AGAACTCCAA	A				201
	SEQ ID NO:1630					
	SEQUENCE LENGTH: 201					
50	SEQUENCE TYPE: pucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGS01845 SEQUENCE DESCRIPTION: GATCACAGAC CACGAGTGCC TTTCCCGGAC CTGGACGTTG CCTCCAGAGC AGGCACCANC 60 TCTTTCCCTC TCTAGACAGA AATATTTTTG TAAGGTTCTG GGGCAGGGAG GGAGCATGAA 120 GTACGAGGAA AACTTGAATT CCAGATTTTN AATGCAAAGT ATTTATCATT TCTACCAGAA 180 ATAAACGTTT TAAGTTTTAA A 201
10	SEQ ID NO:1631 SEQUENCE LENGTH:217 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
15	CLONE: HUMGS01846 SEQUENCE DESCRIPTION:
	GAGCCAATAT GTGTTCTATT GTTCTCAGAG CACCAGCCGA CTGTACAACA ATTGTTATAA 120
	AAATGTTTAT TGTTTACCAA AACCAGTGGA CCTCTTATCA AATGCTGCTT GGTAACAAAA 180
20	TCTATCACAG TTTTAATAAA AAGAAAAAAA AAGGAAA 217
25	SEQ ID NO:1632 SEQUENCE LENGTH:200 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01847
30	SEQUENCE DESCRIPTION: GATCTGTTTT NNTTAAACAC TAACAGAATA ATTCTTTATA AATAGGTAAG CCTTACACTT 60 GTTAAAGAAA TTTACCTCTA ATTTCAGTCT CACTAATGTA AAATACTGGG ACTTAAGTAT 120 ACAATTCAGT CACTAACTGT ACAGTTTTAT GTGGGGAACA ATTCATGCAG GCTACTGGAA 180 AATTAAATCT TATTACCAAA 200
35	SEQ ID NO:1633 SEQUENCE LENGTH:200 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
40	CLONE: HUMGSO1848 SEQUENCE DESCRIPTION: GATCCNGGGC ATTTNCTCTG GGGAGACAGG CCTGAGGCCA GCTCGGNAGC CAAGCAGATT 60 CCAAACCACT ACAACCCTTG CCAAACACAG CCCACTCCAT TTNANACCGC CTTCCTGAGG 120 AGAAAATGCA GACTCAGGGT TCCAGTAACC AGTGATGGAT TCACCCCATC TCCCAAATAA 180
45	TCCTTT LCTT CTTTTCT
50	SEQ ID NO:1634 SEQUENCE LENGTH:333 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear

	CLONE:HUMGS01849 SEQUENCE DESCRIPTION:					
	GATCTTCTAA GAATTTTGCA	1 4 4 TTCT 4 4 4	CAAATATAGA	GATGGTATAT	ACAATTCATA	60
5	TCTAGAAAAC TTTGATTTTA					
3	AGGCAAAAAC ATGTTAACCA					
	GTTTAGCCTT TTATTAGAAT					
	TATGTNCCTT TGCTTATAAC					
	NATGITITAT TATCTAATAA			TIMOTIMA	MATATORAL	333
10						333
	SEQ ID NO:1635					
	SEQUENCE LENGTH: 199					
	SEQUENCE TYPE: nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS01850					
	SEQUENCE DESCRIPTION:					
	GATCGAATGG CTTTTTGCAG	CTAACTACTA	TGTGTAGACA	GGTTTTATAT	TATAAAGTAT	60
00	GCATTCTTAT CACCTAGTAT	ATAGTTAGTT	TGTAGAGTGA	TTTCCCCCCA	GTTTCTTGAA	120
20	CATGGTATCT TCACATCTTG	GACCTTGGTC	AGTTGTGCTA	TTCATTATTA	AACACTAAAA	180
	CTTTGGCGGT TCTTGCAAA					199
	SEQ ID NO:1636					
25	SEQUENCE LENGTH: 196					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01851					
30	SEQUENCE DESCRIPTION:					
00	GATCTGGATG TTGAAAAGAG					60
	CGTGATATGC TGCCTCCTCC					
	TNAGAAGCAG ATGCTGGCAG	CATGATTCTT	GTACAGTCTG	CAGAACAGTG	AGCCAAATAA	180
	ACCTETTTTE TETAAA					196
35	070 ID NO 1005					
	SEQ ID NO:1637					
	SEQUENCE LENGTH: 196	. ,				
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear				•	
	CLONE: HUMGS01852 SEQUENCE DESCRIPTION:					
		1 1 C C 1 C T T T T T	T1111CC111	1001711711	TO 4 C T 4 C T O T	60
	GATCCAAGTA TTTCTNCATC					
45	CCATGGAAGC CTTTNCCTTA TGTCAGAGTG AAATCTCTCA					
45	TCATTTTAAG GTGAAA	IDIDAAADU	MACIAGIAGI	IACAAAUIAA	MIMANUMAIL	196
	SEQ ID NO:1638	•				
	SEQUENCE LENGTH: 195					
50	SEQUENCE TYPE:nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGS01853 SEQUENCE DESCRIPTION: GATCCTCCTG CAGGGCTAGG CGGATTGTTC TGGATTTCCT TTTGTTTTTC CTTTTAGTTT 6 TCCATCTTTT CCCTCCCTGG TGCTCATTGG AATCTGAGTA GAGTCTGGGG GAGGGTCCCC 12 ACCTTCCTGT ACCTCCTCCC CACAGCTTGC TTTTGTTGTA CCGTCTTTCA ATAAAAAGAA 186 GCTGTTTGGT CTAAA	0
10	SEQ ID NO:1639 SEQUENCE LENGTH:194 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE:HUMGS01854 SEQUENCE DESCRIPTION: GATCTTAGCT TTGATAAATG ACTGANGCTG GAGAAGCCGT GGTTGAAGTC AGCCTACACT 60	
- 0	ACAGTGCACA GTTGAGGAGC CAGAGACTTC TTAAATCATC CTTAGAACCG TGACCATAGC 120	
	AGTATATATT TCCCTCTTGG AACAAAAAC TATTTTTCCT GTATTTTTAC CATATAAAGT 180	,
20	ATTTAAAAAA CAAA	
25	SEQ ID NO:1640 SEQUENCE LENGTH:268 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01855 SEQUENCE DESCRIPTION:	
30	GATCTGAGTA ATTAGCAGGT ATGATGCTGG GACTGGAAAA TAGAAAGTAA TAACTAAAGG 60	
	GTTAATGTGC AACGTTATTT TTTGGCCTTG TTCATAATTT TATGTTTTCA GTGGCNTGTG 120	
35	TACATATAGA ATTGTTAAAG TTGTCATTTC CAATATTTAT ATTAGAAAAA TTATTTAGAT 180 ACTTTATAAT TTTAACCGGC ATTTTTAATA ATGACACTTG CATTTATTGT ATTGTAATAA 240 ATTTCACTTT TAACTTTAAA AGTTTAAA 268	
	SEQ ID NO:1641	
40	SEQUENCE LENGTH:193 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO1856 SEQUENCE DESCRIPTION:	
	GATCTCTGCT CAGAGAAGTG CAGGGGGAGC CTTCCAGCTC ACTCTCCCTG AGGACTGGCT 60 TGACAGGGGC TATGGGTTTG CTTTGGTGTT GTTTTTAAAA AAAGAAAATA TATTTTTTTG 120	
45	AAAAAACGAC TGCCCATCCC GGGTCCTTTC CCTGATGGGT TGGGGCAGTT ACCTGGTTGC 180	
	TGTTTTAATT AAA 193	
50	SEQ ID NO:1642 SEQUENCE LENGTH:193 SEQUENCE TYPE:nucleic acid	

5	TOPOLOGY:linear CLONE:HUMGS01857 SEQUENCE DESCRIPTION: GATCACATCA CTCCACCCCT GCCAGGCCCC AGGTTAGGAA TAGTGGTGGG AGGAAGGGGA 6 AAGGGCTGGG CCTCACCGCT CCCAGCAACT GAAAGGACAA CACTATCTGG AGCCACCCAC 12: TGAAAGGGCT GCAGGCATGG GCTGTACCCA AGCTGATTTC TCATCTGGTC AATAAAGCTG 18: TTTAGACCAG AAA
10	-
15	SEQ ID NO:1643 SEQUENCE LENGTH:193 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01858 SEQUENCE DESCRIPTION:
	GATCCTTAGT ACAACATGTG AAAGAAGATA TGTTGTCTTT ACTCACAGTG GAGGCATTTT 60
	TCTAGCTGTG TTTGATTTGG-CTTCCCTATA GATTCAGGAC CCATAAGTCT TGTTCTCACT 120
20	CATCTGCTAT GCTGCTGATA AGGACTTTCA GGTCAACAGC TGTAACTGCT AAATGAAGTT 180
	AATACTCTGG AAA 193
25	SEQ ID NO:1644 SEQUENCE LENGTH:192 SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear CLONE: HUMGS01859 SEQUENCE DESCRIPTION:
30	GATCTAGGCA AACCTTTATA AAGTTGCAGT ACCTAATCTG TTATTCCCAC TTCTCTGTTA 60
00	TTTTTGTGTG TCTTTTTTAA TATATAATAT ATATCAAGAT TTTCAAATTA TTTAGAAGCA 120
	GATTTNCCTG TAGAAAAACT AATTTTNCTG CCTTTTACCA AAAATAAACT CTTGGGGGAA 180
	GAAAAGTGGA AA 192
35	SEQ ID NO:1645 SEQUENCE LENGTH:188
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
40	CLONE: HUMGS01860
	SEQUENCE DESCRIPTION: GATCTGTCTG TTGCTTGTTT AATATATTTC TTTTATGACA TTACTTAAAG TTTAAAAGGG 60
	TTTTNTATCC ACTGTCAATT TCAATTGGAT AACATTTTGT CAAGNTTTTT TTTTCCTGAT 120
	TATTTGATGC TAGCTGGAAT TCAAGAAATG GCATTGACCT TATTCAAATA AAGAAATATT 180
45	TTAGTAAA 188
50	SEQ ID NO:1646 SEQUENCE LENGTH:190 SEQUENCE TYPE:nucleic acid
-	TOPOLOGY: linear

	CLONE: HUNGS01861
	SEQUENCE DESCRIPTION:
	GATCAAAAAC TAATTTGGGA TATGTATGGG TAGGGTAAAT CAGTAAGAGG TGTTATTTGG 6
5	AACCTTGTTT TGGACAGTTT ACCAGTTGCC TTTTATCCCA AAGTTGTTGT AACCTGCTGT 12
	GATACGATGC TTCAAGAGAA AATGCGGTTA TAAAAAATGG TTCAGAATTA AACITTTAAT 18
	TCATTCGAAA 19
10	SEQ ID NO:1647
,,	SEQUENCE LENGTH: 183
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY:linear
	CLONE: HUMGS01862
15	SEQUENCE DESCRIPTION:
	GATCAGTTGG GTGCTATGTG CTCAGCTTTC CTACTGCAGC TTCATTTAAT GCAGAGTGGT 60
	GTTTGAATTT GGCTTAGATG GGCTGGCAGG CATGATTTTA AAAAATGTAA TCATCAGTAA 120
	GAAGTACTTC CATGTTAAAG ATGCAAAAAA AAAAGTCTTC ATTAAAATTN CTATTTAANG 180
20	AAA 183
	SEQ ID NO:1648
	SEQUENCE LENGTH: 361
	SEQUENCE TYPE:nucleic acid
25	TOPOLOGY: linear
	CLONE: HUMGS01863
	SEQUENCE DESCRIPTION:
	GATCCAAACA AATACACATT CTGTNTTTTA GCTCAGTGTT TTCTAAAAAA AGAAACTGCC 60
	ACACAGCAAA AAATTGTTTA CTTTGTTGGA CAAACCAAAT CAGTTCTCAA AAAATNACCG 120
30	GTGCTTATAA AAAGTTATAA ATATCGAGTA GCTCTAAAAC AAACCACCTG ACCAAGAGGG 180
	AAGTGAGCTT GTGCTTAGTA TTTACATTGG ATGCCAGTTT TGTAATCACT GACTTATGTG 240
	CAAACTGGTG CAGAAATTCT ATAAACTCTT TGCTGTTTTT GATACCTGCT TTTNGTTTCA 300
	TTTTGTTTTG TTTTGTAAAA ATGGTAAANC TTCAGAAAAT AAAATGTCAG TGTTGNNTAA 360
35	A
	SEQ ID NO:1649
	SEQUENCE LENGTH: 183
	SEQUENCE TYPE: nucleic acid
40	TOPOLOGY: linear
	CLONE: HUNGS01864
	SEQUENCE DESCRIPTION:
	GATCAGGACC TGGGGGCCTA CAGTTCTGCC AGGAAGTGCC TGGCCAAACA GAGGCAGAGG 60
45	ATGCTGCAAG AGAGAAAAGC TGCAAAANAG GCCGCCGCTG CCACCTCCTG AGGCAGNTGT 120
	GGGTGCCCCT GCTGTGTGGC TCTGTATGAC TGTTGCTGAA ATATAAAGCC CTGCAACCTG 180
	AAA 183
	SEQ ID NO:1650
50	SECUENCE I FUCTU. 170

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01865 SEQUENCE DESCRIPTION: GATCTCAGCA CAAGCAGGGG CAATATTTAG CAAGTTGCAT TACCCCCAAG AAGGGGTCAT	AGCAGCTGGG TGTAACATTG	TAACTGTTTG	TTTCTCCTTG	GATGATGAGC	60 120 178
10	SEQ ID NO:1651 SEQUENCE LENGTH:178 SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY:linear CLONE:HUMGS01866 SEQUENCE DESCRIPTION: GATCTATGGC TTAAAAAATT	TGTTTCTGTG	ACAATNTTTG	TAAATCTAGC	CAATAGAGTC	60
	ATTTACAGAA GAAAAATNAG					
20	ACCTGAATTA TTTGTAAAAA	CTGAAATTTA	ATGATTAAAG	AGAAGCCAGA	ATTGTAAA	178
25	SEQ ID NO:1652 SEQUENCE LENGTH:189 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1867 SEQUENCE DESCRIPTION:	acid				
30	GATCTGGAGC TAATAATGAC CGGGAACACA TGGGCAACGT TCTCAAATAT ACCTACTGGA TTTATCAAA	GGTAGAGGCG	CTTATTGCCC	TAACCAACTG	ATGCGTGCTT	
35	SEQ ID NO:1653 SEQUENCE LENGTH:174 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS01868 SEQUENCE DESCRIPTION: GATCTCTGCT CTGCCCTCTC CTGTCCTTTT TAGCAATGTG CTCANNNGAC TCTGATTTTA	ATTCTTGTTG	TTGATTCTCT	CTCTGGAGTT	CATGTGCTGC	60 120 174
	SEQ ID NO:1654 SEQUENCE LENGTH:173 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS01869 SEQUENCE DESCRIPTION:					

	GATCAGGCTC ATCTCATCTG	CACCAACTGC	TCTACCTGTT	AGATGGAGAC	CTTGCNTCAT	60
	GAATTTCTCG AAATGCTCCT	GGAACTTATT	TATATGCCTC	AAAATCCTCT	AAACTCATTT	120
	ATAGTAACCC ATAGTTTTAA	TTTTATAAAT	AAACGTATTT	ATTAAATCTT	AAA	173
5						
	SEQ ID NO:1655					•
	SEQUENCE LENGTH: 172					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
10	CLONE: HUMGS01870					
	SEQUENCE DESCRIPTION:					
	GATCTCTAAT TTAAAGAAAC	AGTTTTTATA	TACCTAGAAT	GAAGATTCTG	TTTAAAGCGG	60
	TTTTGGTTAA CTTGGTTCTT					
15	NCTATTAGCC AATGAATAAC					172
						112
	SEQ ID NO:1656					
	SEQUENCE LENGTH: 171					
	SEQUENCE TYPE: nucleic	acid				
20	TOPOLOGY:linear					
	CLONE: HUMGS01871					
	SEQUENCE DESCRIPTION:					
	GATCTCAAAG GAGTCTGAAA	TATCATATTT	CTGTGTGTGT	CTCTCTCAGC	CCCTGCCCAG	60
25	GCTAGAGGGA AACAGCTACT					
	GTGCAAATAA ATGGGGCTGA					171
		•				
	SEQ ID NO: 1657					
	SEQUENCE LENGTH: 171					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01872					
	SEQUENCE DESCRIPTION:					
35	GATCGNCATT ATCCCCAGNA	AAAAGCTCCG	CAACAAGATA	GCAGNTAATG	TCACGCATCT	60
	GATGAAGCGA ATTCAGAGAG					120
	GAGAGAAAGG AGAGACAATT	ATGTTCCTGA	GGTCTCAGCC	TTGGNNCCNN	N	171
	SEQ ID NO:1658					
40	SEQUENCE LENGTH: 171					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01873					
45	SEQUENCE DESCRIPTION:					
	GATCAAAGAC ATCCTCATCC	AGTATGACCG	GACCNNCTGG	TAGCTGACCC	TCGTCGNTGC	60
	GAGTCCAAAA AGTTNGGAGT	CCTGTGCCCG	AGTTCGTACC	AGAATCCACC	GTAAGCCATC	120
	GGNCTAAAAC TTACTTNATA	ATAACAGTTT	TGAGGGATTT	AAAAGTTCAA	A	171
50						
50	SEQ ID NO:1659					

5	SEQUENCE LENGTH:170 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01874 SEQUENCE DESCRIPTION:	
10	GATCAAAAAT CCAAGGAGAA TGGTGCCAGT GTATGATAAA ATCCATGTAG TGATGAGGAA G TGGTGTTAAA TAATGTAATA TATAANANTC ATGATATANG ANTGTTTGAA GGTGATGCAT 12	60 20 70
. 15	SEQ ID NO:1660 SEQUENCE LENGTH:167 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE: HUMGS01875 SEQUENCE DESCRIPTION:	
20	GATCCTCGCT CCGTTGCACG GGCGCCNTAA GTTATTGGAC TATCTAATAT CTATGTATTT 6 ATNTCGCTGG TTCTTTGTAG TCACATATTT AATAGTCTTA ATATCTTGTT TTTGCATCAC 12 TGTGCCCATT GCAAATAAAT CACTTGGCCA GTTTGCTTTT CTACAAA 16	
25	SEQ ID NO:1661 SEQUENCE LENGTH:167	
25	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01876	
30	SEQUENCE DESCRIPTION: GATCTGGGCG ATTCTGAAGC CATGCCATTT TTAACCTTAT GTCTGCTAGA AAGTGTTGTA 6 GTTGATTGAC CAAACCAGTT CATAAGGGGA ATTTTTTTTA AAAAACAACA AAAAAAAAAA	
35	SEQ ID NO:1662 SEQUENCE LENGTH:165 SEQUENCE TYPE:nucleic acid	
40	TOPOLOGY: linear CLONE: HUMGS01877 SEQUENCE DESCRIPTION:	
	GATCTTCCCC AAGAGGGACT GGGGTTCTG GGGTCCATTC TCTGAGTCAG TGGTTATTTG 6 AAAATTTGAT TTTGATTTTA TTTTTTCTCT GTAAACTTCC AAGCTGGCTT TTCCCATTTC 12 AATTCCTGTG ATTTATGCCA ATAAAGTTTG CCCATGATTT TCAAA 16	_
15	SEQ ID NO:1663 SEQUENCE LENGTH:165 SEQUENCE TYPE:nucleic acid	
50	TOPOLOGY:linear CLONE:HUMGS01878 SEQUENCE DESCRIPTION:	

	GATCCCTNCC TTGGTGGGCA GGGTGGCTCA GGNCNAAGCA GTNCACACTT TTACAAATTT	GACCCCGGGC	TCCACCCCAG	CCCCGNCCAG		60 120 165
5						
10	SEQ ID NO:1664 SEQUENCE LENGTH:161 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01880 SEQUENCE DESCRIPTION:	acid				
	GATCAGGCTG CTGAGGGAAT	A A A TTT A A TC	* * CCTCTTC	CAAAAACAGA	ACCACAGAAG	60
·	GGAGCCTATA TAGAACTAAC					
15	GCTTCCTAAA AATATTTTAA				CCATTCTUCA	161
15	UCITCUIAAA AATATITIAA	AAAIACAIII	MIIIIMUIMA	n		101
20	SEQ ID NO:1665 SEQUENCE LENGTH:158 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01881	acid				
	SEQUENCE DESCRIPTION:					
	GATCAGTCCA TCCCAGAGGG					60
25	AGCCGATATC AACACTTGTA			AGTGCCTTGT	GCAATGTGAA	
	TGTGCGCGTC TCTGCTAAAC	CACCATTTTA	TTTGGAAA			158
	SEQ ID NO:1666 SEQUENCE LENGTH:158					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS01882					
	SEQUENCE DESCRIPTION:					
35	GATCGTGTAT TGAGATTTCT					60
	TATTGGTTAA AACTGTACAT			TTTTNTACAA	TTAATAGTTT	
	GTCTATTTTA AAATAAATTA	GTTGTTAAGA	GTCTTAAA			158
	070 ID NO 1005					
40	SEQ ID NO:1667 SEQUENCE LENGTH:155					
	SEQUENCE TYPE:nucleic	aaid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS01883					
45	SEQUENCE DESCRIPTION:					
	GATCTTTGTT AGTTGCATAT	TATATTTCAG	TGTTTATCTT	CTTGGTGAAT	TGACCCTTTT	60
	ATCATTATGT AATTCCCCTA					
	TGAGAAGTAA AANTAAAATA	AAATGTAATA	GCAAA			155
50	SEQ ID NO:1668					

	SEQUENCE LENGTH: 155					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS01884					
	SEQUENCE DESCRIPTION:					
	GATCACTCTG GGCTCACTTG	CCTGCCTAAT	GGTCATCTCC	CCAGTAGACT	GTAAGCTCCT	60
	TGAGGGCAAG GATTGTGTTG	GAATTTTTGT	ATTAACAGTG	CCTGGCTTGG	TGCCTGGCAC	120
	CTAGAAAGCA CTCAATAAAT	GTTTGTTTAA	TGAAA			155
10						
	SEQ ID NO:1669					
	SEQUENCE LENGTH: 161					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY:linear					
	CLONE: HUMGS01885					
	SEQUENCE DESCRIPTION:					
	GATCAGATGC TTGAAATTTA	ACACTTTTCA	CTTGGTTCTT	ATACTGAATG	CCGACTCTGC	60
00	TCTGTGTTAG AGATATGAAA	TGGTGTTTGA	TACTGTTTGA	GACATTATGG	AGAGATTTAA	120
20	TTATTTGTAA TAAANGNTTT	GCTGCAGTCT	GAAAACTGAA	A		161
	SEQ ID NO:1670					
	SEQUENCE LENGTH: 153					
25	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01886			•		
	SEQUENCE DESCRIPTION:					
30	GATCTATTGT AATGTGTTAT	TTNGGCTGAN	GTATGTNAAG	AAAATACTAC	CTTACAAAGN	60
00	TATGTATTNT CAAAAGGAAA			AGGGCCAGTG	GGTGATACTG	120
	AAGTTGTCGG GATGGATGGT	GTCTATCTGG	NNN			153
	SEQ ID NO:1671					
35	SEQUENCE LENGTH: 444					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS01887					
40	SEQUENCE DESCRIPTION:		mamagaaa			
	GATCTAGAAG TTTTACTTTT					
	TTCAACATAG GGAACAAACT					
	AGTTTTTTAA AATAAACTAT					
	AGGCTTTCTA ATTTNGTATA					
45	GTTGTAACTC TGTTTATACT					
	GTCATAACCA ACATATGANC					
	GTTTAATCTG ATACCAGTTG CTAAAACTTT CTTTNAAGGT		UCCALLIGGE	IIIICINAAA	ACCIAIACCN	444
	CIMAMOLII CILINAAGGI	LAAA				744
50	SEQ ID NO:1672					
	DEATE IN MATTER					

5	SEQUENCE LENGTH:151 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01888	acid				
10	SEQUENCE DESCRIPTION: GATCAGCAGC CCTCGCAATG CTACTTCATC AAGAAGAACT TGATGCTTTC CATTAAAAAN	GAGCAAGGCC	TGAGCGCTGC			60 120 151
15	SEQ ID NO:1673 SEQUENCE LENGTH:150 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGS01889 SEQUENCE DESCRIPTION: GATCCAGATG ATAAACCAGT AAGTTTTGTA CTTTNCACAT	AGCTTGTTGC				120
25	SEQ ID NO:1674 SEQUENCE LENGTH:148					150
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01890 SEQUENCE DESCRIPTION:					
30	GATCCGNCCG TCTCTGCCTT CTTATTTTTC TTTATGTTTT TTGCTGACGT TGCTGGGGAA	TNCTTCGTAA				
35	SEQ ID NO:1675 SEQUENCE LENGTH:568 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE: HUMGS01891 SEQUENCE DESCRIPTION: GATCTACCCC AGGGAGAATC ATTCATTTCT TTTATACCTT					60
45	ATGTAAAAGG ATTATTACTA AGGGCAAGCC ACCAAATTAC GAAGATGAAC TTTGTCATTA	ATTCTATTTC CTAGGCTGAG TGATTTCATT	TCTATGTTTA GTTAGAGAGA ATCACATGAT	TTCTAGTTAA TTGGCCAGCA TATAGAAGGC	GGAAATGTTG AAAACTGTGG TGTCTTAGTG	180 240 300
	CAAAAAACAT ACTTACATTT TTGAACTATG ACTGGAGTAA TTATGGTCTC ATGTAATTTG TCGGTAATAG GTTATTTCCA	ACCATGTATT CATTACTCTG	CCCTTATCTT GTGGATTGTN	TTACTTTTTT CTAGTACTGT	TCTGTGACAT ATTGGGCTTC	420 480
50	CNCTAGGGGT NTAAAAACCA					568

5	SEQ ID NO:1676 SEQUENCE LENGTH:146 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01892 SEQUENCE DESCRIPTION:	
10	GATCTCTAAG GTATTATGTT TGCCTTCTCT TAGTTATTTC TGGGTTGTCA CAAAGCTCAG TATCATGGTT TGACAGAAGC AGTTATGTGA ACTTTTATGT TAGGACATTA CTAAATAAAG	
15	SEQ ID NO:1677 SEQUENCE LENGTH:144 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01893	
20	TTTCACAATC AGCCCAAGGC TGGGAAAGCT GGAATGGGAT GGGAACCCCT CCGCCGTGCA 1	60 120 144
25	SEQ ID NO:1678 SEQUENCE LENGTH:151 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01895	
30	ACCTACGTGG TGGAAATAGT AAACCTATAT TTTCATAATT CTATGTGTAT TTTTATTTTG 1	60 120 151
35	SEQ ID NO:1679 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40	CLONE:HUMGS01896 SEQUENCE DESCRIPTION: GATCTTGATG GTCGCTGCAG AGTAACTTCA GCGCTGAGTT CGTTTGAAAC CTTCGGTTTG TTAAGATTCA GAATAACCAA TTGCTTTGTC TGTTAAATCT CCCGATTTCT GTTAGGAAAA 1 TAAAAGCCTC ATTTCTTAAA	60 120 140
45	SEQ ID NO:1680 SEQUENCE LENGTH:139 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	

5	CLONE:HUNGS01897 SEQUENCE DESCRIPTION: GATCACTATG TAGGCAATGC TGGATACTGG NCTGTTATTT ACACATTTGT ATCACCTTTT ATTTCATAAG ATAGCATTGT CAGANTAATT TAGTATTTCA ACATAATCAA CAAGTAAAAT AAAATTAATG AGAATGAAA	60 120 139
10	SEQ ID NO:1681 SEQUENCE LENGTH:139 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01898	
15	SEQUENCE DESCRIPTION: GATCTCCACA TTCAGGTTTC CTGATGCACT TTNCGACTCT TTGGGCAACC TCTGGACTCC TTGTNCCCAG GGTCCACATT TAGTTTTATC TTTACTGCAT TGCTTTTATG AAAAAGAATA AAATTGGATG AAACAGAAA	60 120 139
20	SEQ ID NO:1682 SEQUENCE LENGTH:143 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01899	
25	SEQUENCE DESCRIPTION: GATCAGTTAA TTTGTATGTA GCAGTGTATG CTCTCATATA CAATNACTGA CCTATGCTCT AAAACATGAA TGCTTTGTTA CAGACCCAAG CTGTCCATTT CTGTGATGGG TTTTGAATAA	60 120 143
30	SEQ ID NO:1683 SEQUENCE LENGTH:136 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01900	
40	SEQUENCE DESCRIPTION: GATCGAATCA CCTGAATGTT CTATGTANTG TAAAATATTC TTTTCTTGCT TTCTTGTGTT AAGGTATATA TTCTATTTGT ATGGAATTCT TATTCAAATA CAGTTCTATT AAAGAGTATA 1	60 120 136
40	SEQ ID NO:1684	
45	SEQUENCE LENGTH: 136 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS01901 SEQUENCE DESCRIPTION:	
50	CCAGACTAGC ATGTGGTTCT ATATTTGTAA AGTTATTGGG ATAAGAAACA ATTAAACAGT 1	

. 5	SEQ ID NO:1685 SEQUENCE LENGTH:136 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01902 SEQUENCE DESCRIPTION:	acid		
10	GATCTTCTAC TTCCCTNTGG TGTCCTGGAT GCCTCTGAAG GGTCATTTAA ACCAAA			60 120 136
15	SEQ ID NO:1686 SEQUENCE LENGTH:135 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01903 SEQUENCE DESCRIPTION:	acid		
20	GATCTTTAMA AMAATTTTCC TGTCATCTAT AGATTGAACA TATTTGGTCT TCAAA			60 120 135
25	SEQ ID NO:1687 SEQUENCE LENGTH:135 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01904	acid		•
30	SEQUENCE DESCRIPTION: GATCAGCAGT TCCAGCCCCT GTGCTTGGNA AAGCTCCCTC CCTAGGGCCA AGAAA			60 120 135
35	SEQ ID NO:1688 SEQUENCE LENGTH:136 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		
40	CLONE:HUMGS01905 SEQUENCE DESCRIPTION: GATCTTCATC TGTAGCCAAG CTTTGACAGT GTGTCCAGCA TGTGTTGACT CAGAAA			
45	SEQ ID NO:1689 SEQUENCE LENGTH:134 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		
50				

	CLONE: HUMGS01906					
	SEQUENCE DESCRIPTION:					
	GATCTTAATG TTTCAAAGGA	GTGCAGCCCT	TCACAGCCAT	CAGATATGAG	GGCACTGTTC	60
5	TGTCTGGTGT TGTAGCCATC	TCAAGAACAA	ATCAACAGCA	ACAAAAGAGA	AAGAATAAAT	120
	TTTTAAAATT TAAA					134
	SEQ ID NO:1690					
10	SEQUENCE LENGTH: 134					
,,	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01907					
	SEQUENCE DESCRIPTION:	,				
15	GATCTGTGAC CCTGGGCGCT					
	CTCAGATGGC TCCCCAAGGT	CATTCATATC	TCGGTTTGAG	CTCATATCTT	ATAATAACAC	
	AAAGTAGCCA CAAA					134
•	SEQ ID NO:1691					
20	SEQUENCE LENGTH: 134					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS01908					
25	SEQUENCE DESCRIPTION:					
	GATCTCTACT ACCACAAGGA	AAATAGTTTA	GGAGAAACCA	GCTTTTACTG	TTTTTNAAAA	60
	ATTACAGCTT CACCCTGTCA	AGTTAACAAG	GAATGCCTGT	GCCAATAAAA	GGTTTCTCCA	120
	ACTTGAAGTC TAAA					134
30						
30	SEQ ID NO:1692					
	SEQUENCE LENGTH: 140					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS01909					
	SEQUENCE DESCRIPTION:	CCCACCCCAC	CCCCCCCCC	AACCTCCACA	CCACTCACCA	60
	GATCAGTGTG GAGGACCCGC CCTGGTGGCC AAGCTGAAGG					
	AACTGACTCT CAACATCAAA	AGATTUUGCU	UNITIONUCC	CCICCAGAG	AIUUCAAIAA	140
40	ANCIUNCICI CANCAICANA					140
	SEQ ID NO:1693					
	SEQUENCE LENGTH: 133				,	
	SEQUENCE TYPE: nucleic	acid				•
45	TOPOLOGY: linear	*				
· -	CLONE: HUMGS01910					
	SEQUENCE DESCRIPTION:					
	GATCTAACCT TTGANGCTTT	AAAAAAGGAG	AAAGAGGGTA	GGGGTGGGAA	ACTGGCATAC	60
	TGTGTGTATA GCACTGCCGA	TTGGCTAGGC	CACTGTGTCT	CTGCTACAAA	TTAAAGAAAT	120
50	CCTAAAAGTT AAA					133

5	SEQ ID NO:1694 SEQUENCE LENGTH:133 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01911 SEQUENCE DESCRIPTION:	
10	GATCGCGAAT AAAAATCAAC AAATGTGAAA GCCCAGAAAA ATATATTCGT ATTTCTGGTT ETGCTGGATT TTTACATTTT TATATAATAA AAATGNTATT TTGAAATAAA GATTATGCTG 12	60 20 33
15	SEQ ID NO:1695 SEQUENCE LENGTH:131 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01912 SEQUENCE DESCRIPTION:	
20	CLTCTATEGO AGARANTOL TON CONTROL	
25	SEQ ID NO:1696 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01913	
30	SEQUENCE DESCRIPTION: GATCCGCCCG GCTCAGCAGA ATTCACGCTC CTGTATGCCT CAGCCCCTCG ATATAACTCC 6 ATCGGATTCT AGCAGCCTGG TATTCTAGCA ATAAAACCCA AGGCCTGAGA AACAGGGGCC 12 ATCCTGCAAA 13	
35	SEQ ID NO:1697 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40	CLONE:HUMGS01914 SEQUENCE DESCRIPTION: GATCAGACTG TCACTTTATA GTTTTTCTAT ATAAAGATTA TATAGTTGCA AACAAAGGTT 6 GTGAAATTC CCTTTTGTTG TTTTTNACTT TTAATTAATA AAAGTACATT GTTTTCATAG 12 CAAACTTAAA 13	
45	SEQ ID NO:1698 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	

5	CLONE:HUNGSO1915 SEQUENCE DESCRIPTION: GATCGAAGCT ACCGTAATGT GTTCTTGAGG TCAACATGTT TTGTGGAAGT CACTGTATTT 6 GCCCCNTTAT GTCAATTACC TATTATAAAC CGAGAGAAAT GGGAAAATTA AAAACCTGTT 12 TTGAATTAAA	-
10	SEQ ID NO:1699 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01916	
15	SEQUENCE DESCRIPTION: GATCCCTTGT AAACATGAAA TCATTCCATG GATGGCTGCC TTATAATTTT GTCTCTTTCC 6 ACTTTAATTG TGAATGGTTA AAAAAATGCT GTTTTCTGAT ATTAAATTTT TATTAGTGCA 12 TACCTTAAA 12	_
20	SEQ ID NO:1700 SEQUENCE LENGTH:82 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
25	CLONE:HUMGS01917 SEQUENCE DESCRIPTION: GATCTGTACC TAGTACCCCT CCCATCTACT GATTTGTTTG TTTTTGTAAC CAAACACATT 60 TTCAGATAGA AGGAGCCTTA AA	
30	SEQ ID NO:1701 SEQUENCE LENGTH:128 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01918	
35	SEQUENCE DESCRIPTION: GATCCCCTAT TCCCTCCACA ATAACAGAAA CACTCCCAGG GACTCTGGGG AGAGGCTGAG 60 GACAAATACC TGCTGTCACT CCAGAGGACA TTTTTTTTAG CAATAAAATT GAGTGTCAAC 120 TATTTAAA 128	0
40	SEQ ID NO:1702 SEQUENCE LENGTH:137 SEQUENCE TYPE:nucleic acid	
45	TOPOLOGY:linear CLONE:HUMGSO1919 SEQUENCE DESCRIPTION: GATCTACAAT NAAGCCCTCA AGGGCTGAAA ATAAATAGGG AAGATGGAGA CACCCTCTGG 60 GGGTCCTCTC TGAGTCAAAT CCAGTGGTGG GTAATTGTAC AATAAATTTT TTTTGGTCAA 120	
50	ATTTAAAAAA AAATAAA 137	

5	SEQ ID NO:1703 SEQUENCE LENGTH:128 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01920 SEQUENCE DESCRIPTION: GATCTGAGGA GGAAATGTGA GGAAGTTCAC CGACANTACC AGGCTGNN	CGCCGGACGC				
15	SEQ ID NO:1704 SEQUENCE LENGTH:127 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01921 SEQUENCE DESCRIPTION: GATCTGGCGT NCTACTATGA AGACCATCCT ATACTGTGAC	GGCTTCTTTT				60 120
25 .	AGCTCNN SEQ ID NO:1705 SEQUENCE LENGTH:146 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01922 SEQUENCE DESCRIPTION:	acid				127
30	GATCATAGCT ACACTGTATG GTGTTTGCTT GGTACTGTCA AATAAAAAAAT ACCACTCACC	TAGTGATTAC				60 120 146
35	SEQ ID NO:1706 SEQUENCE LENGTH:240 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01923	acid				
40	SEQUENCE DESCRIPTION: GATCAAAAAG GACTGAACCC CTAGCAGTGC ATATATGAAT TAATTATATT AAGATAGTGA TCAGTGGATT GAATGTGACT	GAATATGGTA ATAAAGATGT	ATTAATCTTA ATAATATTTT	CCTATAAGAA NATTAATACC	CCAAATACTT TTGAATATAT	180
	SEQ ID NO:1707 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic		VOIVORVIIA	INTIMMMIA	ITTOTUUNA	. TU
50	TOPOLOGY:linear					

5	CLONE:HUMGS01924 SEQUENCE DESCRIPTION: GATCTTATGA AGGAAGATTT ATATATCCCG AACCAACANC TAAA				60 120 124
. 10	SEQ ID NO:1708 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01925	acid			
15	SEQUENCE DESCRIPTION: GATCCCCTTT CTCTATGTCG ACATGACATT TTTGTTCCAG NGAN				
20	SEQ ID NO:1709 SEQUENCE LENGTH:146 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGS01926	acid .			
25	SEQUENCE DESCRIPTION: GATCCGAGCA GTCCTCTGCC GTAAATGTCT CAGCCCCTCG AAAAAAAAAA	TTCTTGGTCC	 		
30	SEQ ID NO:1710 SEQUENCE LENGTH:120 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
35	CLONE:HUMGS01927 SEQUENCE DESCRIPTION: GATCCTGTGT AGAAGCTGTT AGCTACAAAT TCGGTTTCAT				60 120
40	SEQ ID NO:1711 SEQUENCE LENGTH:121 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		·	
45	CLONE:HUMGS01928 SEQUENCE DESCRIPTION: GATCTGCGCC TCTCAGTGCC AAAATATTAT GCACACTGTT				60 120
50	A				121

5	SEQ ID NO:1712 SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGS01929 SEQUENCE DESCRIPTION: GATCGGGGCA AGAGAAGGCT GGAGTTTCTT AATNAGATAT CGAAA	GAGTACGGAT				
	CPO ID NO. 1712					
15	SEQ ID NO:1713 SEQUENCE LENGTH:338 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS01930					
	SEQUENCE DESCRIPTION:					
20	GATCAGCCCA TCTCAGCTTG					
20	AGCTACGACT GGTCAAAGGG					
	CTGCGTAATG CAGCCGAAGA					
	GCTCAGCCAG AGTTGTTTCT					
	CTTGTTGGGT TGTCAGCCAT	GGACATGGAT	TTCAACCCCT	GGAGAAAACG	NTGTCATTGT	
25	TCAGCAGCTG AGNGCCCCAG	GCGTCCGNGG	CGNCTTTN			338
	SEQ ID NO:1714					
	SEQUENCE LENGTH: 85					
30	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS01931					
	SEQUENCE DESCRIPTION:					
	GATCCCATAT CTATTACCGT	GTCCATAGGA	ATAATAGGTA	AGGGCTCTGT	CTCTGTCAAG	60
05	CCATGTAACA AAGGACACTG		WINDLINGOIN.		0.01010101	85
35	CONTRIBUTION ABSOLUTION	111001				
	SEQ ID NO:1715					
	SEQUENCE LENGTH: 260					
	SEQUENCE TYPE: nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS01932					
	SEQUENCE DESCRIPTION:					
	GATCCAGCCC TGGTTCTGGC					
45	GCCTCATTTC TTTGTCTTTT					
	CTCTGTAGTC TCAGTTCGTG					
	ACTGCCGAAG AATTGTCTTG	CAAGTNAAGG	CTTCCCCCTT	TACTATAAGA	CTATAAATAA	
	AANCTTATTT NATCCNNAAA					260

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50

SEQ ID NO:1716

	SEQUENCE LENGTH: 430					
	SEQUENCE TYPE:nucleic	aciu				
	TOPOLOGY: linear					
5	CLONE: HUMGS01933					
	SEQUENCE DESCRIPTION:				m macama	20
	GATCTTGTGC TGTGCTATCC					
	AGCAGGAAAG TTTACCCATG					
	TGTTGTTTGT TGTTTGTTTT					
10	AAAGCTGAAG TTACTTTATG					
	TGAGCGGGGG GTTTGGTTTG					
	ATATTAAGCA GAAATCCTGC					
	TGTACATAAA AGAATTTTTT	TGNCTTTAAA	TAGATACAAA	TGTCTANCAC	CTTTAATCAA	
15	GTTGTACCTN					430
	-no in vo idid					
	SEQ ID NO: 1717					
	SEQUENCE LENGTH: 171	. ,				
20	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS01934					
	SEQUENCE DESCRIPTION:		a Lagrana Ta	CATCTCAAAA	****	60
	GATCGAGCCA CTGCGCTCCG					
25	AAAAAAAAC TACTACAATA					171
	TCTTTTNAAA AAGTACACTT	AAATAAAAT	CIAANCAIAA	AVIDIUVDUD	n	111
	SEQ ID NO:1718					
	SEQUENCE LENGTH: 115					
30	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	40.4				
	CLONE: HUMGS 01935					
	SEQUENCE DESCRIPTION:					
	GATCGCTCAG AAAATGGGAA	CCCAGGGCAA	ATTGTATGTG	CTCCTTACTG	GGTTTATTAT	60
35	AAGTGTCACA TGTTTTTTAT					115
	SEQ ID NO:1719					
	SEQUENCE LENGTH: 115					
40	SEQUENCE TYPE: nucleio	acid				
	TOPOLOGY:linear			•		
	CLONE: HUMGS01936					
	SEQUENCE DESCRIPTION:					
45	GATCCTCCCA CCTCAGCCTC	CTGAGTAGC1	GGGACCATAC	GCTCACAACA	CCACACCTGG	
	CAAATTTGAT TTTTTTTTT	TTTCCAGAGA	NGGGGTNTT	NANCATTGCC	CAGNN	115
	SEQ ID NO:1720					
	SEQUENCE LENGTH: 115					
50	SEQUENCE TYPE:nucleio	. aaid				
	SEQUENCE LIFE. DUCTER	aciu				

	TOPOLOGY: linear CLONE: HUMGSO1937 SEQUENCE DESCRIPTION:	
5	GATCTAGCAC TTTACAAAGT AAGTTTTTCT GTNACTTAGA GCTGAAAATA AAAGCAATGT	60 115
10	SEQ ID NO:1721 SEQUENCE LENGTH:114 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO1938	
15	SEQUENCE DESCRIPTION: GATCATTTAG TTCTATCTAT TTAGAAATAT GTAAAACTGG ATTTTTTTTT AAGTAATATG TGACCAAAGT TAATTTTGTC CCAAAGGTCT AAATAAAGAG CAGTTTCCCA TAAA	60 114
. 20	SEQ ID NO:1722 SEQUENCE LENGTH:119 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01939	
25	SEQUENCE DESCRIPTION: GATCGCCACA GCCCTTCTTG GAAGAAAGGC GTCTGTGTTT CAGGTTCCAC GCGAGTCACC TCTTTCGTCT TAATGTTCAC CGTCCACAGC TTTGGAATAA ACCATCCTGG GAAGTTAAA	60 119
30	SEQ ID NO:1723 SEQUENCE LENGTH:113 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01940	
35	SEQUENCE DESCRIPTION: GATCTTTGAC TGTATCATGC ATTGTACAAT TGATTTCATA TTTTATGAAA TGCCTTAATT TTCCTACTAT AACATAAAGA CAATGATGAA TAAAGTTTAT GTGTATGATT AAA	60 113
40	SEQ ID NO:1724 SEQUENCE LENGTH:113 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01941 SEQUENCE DESCRIPTION:	
45	GATCAGAAAC ATACATACCC TNCCTAGGGA TTTAGAAAGT GGGTTGGCAG TCTTTCCTCA CGTCCATCAC GCANTTGGNA CCTACTNCAG TGTATTGTAA ACTTTTTCT CNN	60 113
50	SEQ ID NO:1725 SEQUENCE LENGTH:111 SEQUENCE TYPE:pucleic acid	

. 5	TOPOLOGY:linear CLONE:HUMGS01943 SEQUENCE DESCRIPTION GATCCCAGAG GTCANGACCA TGCACTAACA GGAGCTATCO	AANCCAATCA				60 111
10	SEQ ID NO:1726 SEQUENCE LENGTH:113 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO1944	acid				
15	SEQUENCE DESCRIPTION: GATCCCGCAG GTGGCACGTC CTCACATATT AATTTTATA	ACAGCTAGGG				60 113
20 .	SEQ ID NO:1727 SEQUENCE LENGTH:109 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01945	: acid				
25	SEQUENCE DESCRIPTIONS GATCTCAAAAA TTCCAGAATT TTGTAAACTG TCTAGTGTTT	CCCTGTACAT			CAGGTGTGAC	60 109
30	SEQ ID NO:1728 SEQUENCE LENGTH:329 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS01946					
35	SEQUENCE DESCRIPTION GATCCGTATC GGTTTAAGA. GGCCAGTTTG TGTATTGCGG GGCACCATGC CTGAGGGTAG AAGCTGGCCC GGGCATCAGG ANGACCCGTG TGNAGNTGCG	A GCGGACGGAG G CAAGAAGGCC C AATCGTGTGC G GAACTATGCC	CAGCTCAACA TGCCTGGAGG ACCGTTATCT	TTGGCAATTT AGAAGCCTGG CCNACAACCC	GCTCCCTGTG AGACCGTGGN TGAGACCANG	120 180 240
40	GTGGTTGGTG TGGTGGCTG	G NGNTNGNCN				329
45	SEQ ID NO:1729 SEQUENCE LENGTH:109 SEQUENCE TYPE:nucleion TOPOLOGY:linear CLONE:HUMGS01947 SEQUENCE DESCRIPTION					
50	GATCTGTCAA TTTCTTTGT TTGGNTTATA ATNAATATC	N CAGAATGATT			ACATGCATTA	60 109

	SEQ ID NO:1730 SEQUENCE LENGTH:215	
5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS01948	
	SEQUENCE DESCRIPTION: GATCAGCTGA TGGAGCTCCT GATTTGACAA AGGAGCTTNC CTCCTTTGAA TGACCTAGAG 6	0
10	CACAGGGAGG AACTTGTCCA GTAGTTTGGA ATTGTGTTCT TCGTAAAGAC TGAGGCAAGC 12	-
10	AAGTGCTGTG AAATAACATC ATCTTAGTCC CTTGGTGTGT GGGNNNTTTG TTTTTTTTT 18	0
	ATATTTTGAG AATAAAACTT CATATAAAAT TGAAA 21	5
	SEQ ID NO:1731	
15	SEQUENCE LENGTH: 107	
	SEQUENCE TYPE: nucleic acid	
•	TOPOLOGY: linear	
	CLONE: HUNGS01949	
20	SEQUENCE DESCRIPTION:	_
	GATCGCACCG CCCCTCGCAG AGAGTGTATC ANCTGTTTTA TTTTTGTAAA AACAAAGTGC 6 TAAATAATAT TNATNACTTG GTTTGGTTNC AAAANCGGAT TAAATGN 10	0
	TANTANTAL INSTRUCTIO UTITUUTINE AAAANGUNI TAANUN	•
	SEQ ID NO:1732	
25	SEQUENCE LENGTH: 107	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS01950	
30	SEQUENCE DESCRIPTION:	_
	GATCACTGTG GTNTTCATAT TTCTAAAATA AATGAATTAA AAANTTTAAN GNCTTAGATG 6 CTTATCTCTA TCATAGCTCA GAATGCAACT NCAATACCCC CATTCTN 10	
	CTTATCTCTA TCATAGCTCA GAATGCAACT NCAATACCCC CATTCTN 10	ı
	SEQ ID NO:1733	
35	SEQUENCE LENGTH: 106	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUNGS01951	
40	SEQUENCE DESCRIPTION:	_
		0
	GATGTCTTCA CATGGAAATA TAATAAAAAT AAAAATCTAG TTTAAA 10	0
	SEQ ID NO:1734	
45	SEQUENCE LENGTH: 106	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS01952	
	SEQUENCE DESCRIPTION.	

	GATCGAGGCT TCAGTGAGA	T ATGGCTGAGA	CACTGCTCTC	AGCCTGGATG	ACAGAGTGAG	60
	AACCTGTCTC AAACAAGAG	AAAAAAA A	TCAAANNCTA	TTCAAA		106
5	ADA 10 NO 1505					
3	SEQ ID NO:1735					
	SEQUENCE LENGTH: 151	• •				
	SEQUENCE TYPE:nuclei	c acla				
	TOPOLOGY: linear					
10	CLONE: HUMGS01953					
	SEQUENCE DESCRIPTION	-		00.0000000		••
	GATCTGAGGA GGCTTCGTG					
	ATTTAACCTT AATGAAATC			GITATTIGIG	CCTCATTTCC	
15	CCAGGAATAG TCACTGCCT	I GAGGAACCAA	A			151
10	CEO ID NO. 1726					
	SEQ ID NO:1736 SEQUENCE LENGTH:106					
	SEQUENCE TYPE:nuclei					
	TOPOLOGY: linear	c acru				
20	CLONE: HUMGS01954					
	SEQUENCE DESCRIPTION					
	GATCCACCCA CCTNAGGCC		TGGGANNACA	GNCGTGANAA	CCACGGCTTC	60
	GCCAACAATG GATTTTTAA				00110000110	106
25						
	SEQ ID NO:1737					
	SEQUENCE LENGTH: 106					
	SEQUENCE TYPE:nuclei	c acid				
30	TOPOLOGY: linear					
30	CLONE: HUMGS01955					
	SEQUENCE DESCRIPTION	:				
•	GATCHANCCT CAACACCTA	G TGCAATTCTT	TTTACACATT	AGGNACTTAG	TAATTNGGGT	60
	TGAATTGTGT TGAACTAAC	C TGGCGGTATA	GGCAAAANTT	GGAAGN -		106
35						
	SEQ ID NO:1738					
	SEQUENCE LENGTH: 105					
	SEQUENCE TYPE: nuclei	c acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS01956					
	SEQUENCE DESCRIPTION					
	GATCTCCCAT TTCTAGGAA				CTTCCACTCC	60
46	ATCCATACTG GCATCCTCA	A ATAAACAGAT	ATGTATACAT	ATAAA		105
45	CEO ID NO. 1720					
	SEQ ID NO:1739					
	SEQUENCE LENGTH: 105 SEQUENCE TYPE: nuclei	n naid				
	TOPOLOGY: linear	d dilu				
50	CLONE: HUMGS01957					

	SEQUENCE DESCRIPTION: GATCCAAGAG ATATATTTGG	CAACTTTTTC	TAGAAAAGGC	ACATTGGGTA	TAATTCATTA	60
	CATTCTTGAG TTTTTTTGGG				TIBIT TOATTA	105
5	470 ID VO 4440					
	SEQ ID NO:1740					
	SEQUENCE LENGTH: 107	. ,				
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear					
	CLONE: HUMGS01958					
	SEQUENCE DESCRIPTION:					
	GATCCAGCTG GAAAGCTGAA (ATGATGCTTG AAAGTTCTCA				TCTTCAAGTT	60 107
15						-0.
73	SEQ ID NO:1741					
	SEQUENCE LENGTH: 119					
	SEQUENCE TYPE: nucleic a	acid				
*	TOPOLOGY: linear					
20	CLONE: HUMGS01959					
-	SEQUENCE DESCRIPTION:					
	GATCTTAAGG TATCAGTATT 1	TCAGAATCCT	GCGACGATTT	TATTTCTAAA	TTCATGTACT	60
	GTATGTCCAT AAGTGAAAAT /	AAAATNTCAT	ATTCTTTTCT	ATNATTGGTA	TCATTCAAA	119
25	ano in no into					
	SEQ ID NO:1742					
	SEQUENCE LENGTH: 114					
	SEQUENCE TYPE:nucleic a TOPOLOGY:linear	acid				
30	CLONE: HUMGS01960					
	SEQUENCE DESCRIPTION:					
	GATCCTTAGC TCTTTGCTCT /	ልፕሮ <u>ሮ</u> ርርርር	CTCATCAGGG	GACCGTTTCC	CCCCTCTTCC	60
	TTCACAGTAT TTAAGAAATA					114
	TIONONUTRI TIANUMATA 7	MAGICUUAI	1111010001	dotticicio	T/MM	117
35	SEQ ID NO:1743					
	SEQUENCE LENGTH: 102					
	SEQUENCE TYPE: nucleic a	acid	•			
	TOPOLOGY: linear					
40	CLONE: HUMGS01961					
	SEQUENCE DESCRIPTION:					
	GATCGCCCCA TTGCACTNCA	ANCTGGACAG	CAAGAGCAAA	ACTCCGTNTC	AAAAAACAAA	60
	AACAAAANCA AACAAAAAAN 1					102
45		•				
_	SEQ ID NO:1744					
	SEQUENCE LENGTH: 101					
	SEQUENCE TYPE:nucleic a	acid				
	TOPOLOGY:linear					
50	CLONE · HUMGSO1962					

	SEQUENCE DESCRIPTION: GATCACACAC TAAGAGAACG TTGATTGCCT CGGCTATTGT GCTGGCTGGA CACTTTGGTC	60
	ACTITIGAAG CATGITAATA AATGICACTG ATTAAAACAA A	01
5		
	SEQ ID NO: 1745	
	SEQUENCE LENGTH: 100	
	SEQUENCE TYPE:nucleic acid	
10	TOPOLOGY: linear	
	CLONE: HUMGS01963	
	SEQUENCE DESCRIPTION:	60
		60 00
	TGAAGGAAAT TAAAGATGAA TGGTTTAATT AAAAATTAAA	UU
15	SEO ID NO. 1746	
	SEQ ID NO:1746 SEQUENCE LENGTH:99	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
20	CLONE: HUMGS01964	
	SEQUENCE DESCRIPTION:	
•		60
		99
25		
20	SEQ ID NO:1747	
	SEQUENCE LENGTH: 97	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
30	CLONE: HUMGS01965	
	SEQUENCE DESCRIPTION:	
	GATCACTICA AGCAAGCCCC CATGATGGTT CTCAGTCCTG CTTCTCTGTG GGTACGTGCC	60
	CCTCTGTTTA AAAATAAACT GAATATGGAT GTTTAAA	97
35		
	SEQ ID NO:1748	
	SEQUENCE LENGTH: 100	
	SEQUENCE TYPE:nucleic acid	
40	TOPOLOGY: linear	
40	CLONE: HUMGS01966	
	SEQUENCE DESCRIPTION:	
	GATCAAAATG AAAACCTGTT GATGTGAATT CAGTTATTGA ACTTGTTACT TGTTTTTGCC	60
	AGAAATGTTA TTAATAAATG TCAATGTGGG AGATAATAAA	100
45		
	SEQ ID NO:1749	
	SEQUENCE LENGTH: 95	
	SEQUENCE TYPE:nucleic acid	
50	TOPOLOGY:linear	

	SEQUENCE DESCRIPTION:					
	GATCTGATGT TCCTTTTATT	TATAACAATG	TTAAATGCAA	TTGTCTTGTA	CCTTGAGTTG	60
	AGTATTACAC ATTAAAGTAA	AGTACAAGCT	GTAAA			95
5						
	SEQ ID NO:1750					
	SEQUENCE LENGTH: 94					
	SEQUENCE TYPE: nucleic	acid				
10	TOPOLOGY:linear					
10	CLONE: HUMGS01968					
	SEQUENCE DESCRIPTION:					
	GATCCAGAAG TAAATGTATC	TNCAAGCTGA	TTTAAATTGT	AGATTTNNTC	TTCATTGCAT	60
	ATTTNCTGAT GTTGAATAAA	GTCTGAGTAT	TAAA			94
15						
	SEQ ID NO:1751					
	SEQUENCE LENGTH: 89					
	SEQUENCE TYPE: nucleic	acid			÷	
20	TOPOLOGY:linear					
20	CLONE: HUMGS01969					
	SEQUENCE DESCRIPTION:					
•	GATCCAAAGT ATATTTTAC		TCTGAAAAA	TTTGAATTGA	GATTAAATTT	60
	TTAAATGAAA TATATTTACT	AAATTTTTT				89
25						
	SEQ ID NO:1752					
	SEQUENCE LENGTH:89					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUMGS01970					
	SEQUENCE DESCRIPTION:					
	GATCCTGGCC CCTCAACCTC		CAGCAGTTCT	GTTATATCCC	CTGCTACCCT	60
	AGATGAATTA AGACGGTTAA	ATACTGAAA				89
35						
	SEQ ID NO:1753					
	SEQUENCE LENGTH: 89					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUNGS01972					
•	SEQUENCE DESCRIPTION:		NOT LOCALIA	mmama.a.a.a.	0mm001.10	
	GATCTGTCTT GCTTATTGTT		NCTAGCACAA	TTCTGACACA	CAATTGGAAC	60
	TTACTAAAAA TTTNTTTTTA	CTGTTTAAA				89
45	CEO ID NO. 1754					
	SEQ ID NO:1754					
	SEQUENCE LENGTH: 87	د: ـــ				
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE: HUMGSO1973					
	OPOUR - HOURDACE ()					

	SEQUENCE DESCRIPTION: GATCATATGG TAGTTTTGTT		AAGGGTACTA	GCATCTACAA	TNATATAGAC	60
	AAAATAAAAT ATTTCTTTAA	TGGCAAA				87
5						
	SEQ ID NO:1755					
	SEQUENCE LENGTH: 85	• •				
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear					
	CLONE: HUNGS01974					
	SEQUENCE DESCRIPTION:					
	GATCTGTTTT CTCTAAAATC	•	GTCTGTATAT	GGTTGTAAAT	NCAAATGGAA	
	AGTAAAACGT TTTGGCCCTG	ATAAA				85
15						
	SEQ ID NO:1756					
	SEQUENCE LENGTH: 88					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS01975					
	SEQUENCE DESCRIPTION:	G G	0010010010	0.100711111	TC T T	
	GATCCTGCTG GAAACCACGG		CCACTATTAG	GAGGIAAAAA	ICAAIAAAAI	
	GGCCCATTCA TTTGTGTTGT	AGCICAAA				88
25	SEQ ID NO:1757					
	SEQUENCE LENGTH: 84					
	SEQUENCE TYPE:nucleic	:-				
	TOPOLOGY: linear	aciu				
30	CLONE: HUNGS 01976					
	SEQUENCE DESCRIPTION:					
	GATCTACAAC ATATAAAATT	GTGTATTTTC	NTTTGGTTGT	CCCTATTAAC	AAAAAGTAT	60
	TINAATAAAA ANTIGAAATG			0001111111110		84
						-
35	SEQ ID NO:1758					
	SEQUENCE LENGTH: 82					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
40	CLONE: HUMGS01977					
	SEQUENCE DESCRIPTION:					
	GATCCCACTG TAAAATTGGA	AATGGGCAGT	TCTGAATTTT	CACGTTTGAA	ATGTAAAATA	60
	TAAACTTCAG TCAATATCCA					82
45						
· -	SEQ ID NO:1759					
	SEQUENCE LENGTH: 82					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
50	CLONE · HIMCSOLO78					

	SEQUENCE DESCRIPTION:	
	GATCTGGACG TTCACGTGCA CTCTCTTCCT GTACAGTATT TATTGTTCCT GGCACTTTAT	60
	TTAAAGATAT TTGACCCTCA AA	82
5		
	SEQ ID NO:1760	
	SEQUENCE LENGTH:81	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
10	CLONE: HUMGS01979	
	SEQUENCE DESCRIPTION:	
	GATCCTTACT CCTGCATTGT TCTTTGCCAG NGNCCTATTT AAAAATTTTA AAATTCTCAT	60
	TAAAGTCAGC TTGGGTTTAA A	81
15		
	SEQ ID NO:1761	
	SEQUENCE LENGTH:79	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
20 -	CLONE: HUMGS01981	
	SEQUENCE DESCRIPTION:	
	GATCTAAAGA GAAAAGGGAG AAGAGGGAAA AAGGAAACAA AGGAGAAGAA AGAGGGAAAG	60
	GAAAAAAAG AAAAAGAAA	79
25		
	SEQ ID NO:1762	
	SEQUENCE LENGTH: 79	
	SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY: linear	
	CLONE: HUMGS01982	
	SEQUENCE DESCRIPTION:	
	GATCATGAAA GGTGATAAGC TCTTCTATGA TAGGGGAAGT AGCGTCTTGT AGACCTACTT	60 70
	GCGCTGTTGT ACTCTGAAA	79
35	CEO ID NO.1702	
	SEQ ID NO:1763	
	SEQUENCE LENGTH:80 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
40	CLONE: HUMGS01983	
	SEQUENCE DESCRIPTION:	
	GATCAAATAT TTTGCCTTTN ACTNAAATCA GCCAGCCCAT NACCCCCAAT AAAGGGCAGC	60
	TGCCTCTGCT CCCTCTGAAA	80
45	1000101001 0001010AAA	•
45	SEQ ID NO:1764	
	SEQUENCE LENGTH:79	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
50	CLONE: HUMGS01984	

	SEQUENCE DESCRIPTION:	
	GATCAAATTT CTTAAAGCAA ACAACAAAAA TGTACATTTC TGTTTTTCCT TTTAATAAAC	60
	AGGTGTACTC TTTATCAAA	79
5		
	SEQ ID NO:1765	
	SEQUENCE LENGTH: 78	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
10	CLONE: HUMGS01985	
	SEQUENCE DESCRIPTION:	
	GATCTAGTGT CCTTTTTGTA CACTAAACAG GTGAATGCTG ACTTTTTTCA TTCTCCAATA	60
	AATNTCACTG AACTGAAA	78
15		
	SEQ ID NO:1766	
	SEQUENCE LENGTH: 75	
a.	SEQUENCE TYPE:nucleic acid	
20	TOPOLOGY: linear	
20	CLONE: HUMGS01986	
	SEQUENCE DESCRIPTION:	
	GATCTTTGTT TAGTTTCAAG TCTTTTTATA ACTAAATCTG CTGGCATTAG ACAATAAATA	60
	CATTTTCAAA ATAAA	75
25		
	SEQ ID NO: 1767	
	SEQUENCE LENGTH: 75 .	
	SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY: linear	
	CLONE: HUMGS01987	
	SEQUENCE DESCRIPTION:	~~
	GATCATATAT ACTTGCATAA TATCATCCCT TCCCTTGATT TCTTTCAATC TAAAAATAAA	60 75
	TATGAGAAAA ACAAA	15
35 .	SEQ ID NO:1768	
	SEQUENCE LENGTH: 78	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
40	CLONE: HUMGS01988	
	SEQUENCE DESCRIPTION:	
	GATCGATATT AATGTATCCA ATGAAATAAT CGACTTGTNC TTGATAGCCT CATTAAAGCA	60
	TTTGGTTTTN CACATAAA	78
45		
	SEQ ID NO:1769	
	SEQUENCE LENGTH: 74	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
50	CLONE: HUNGS01989	

	SEQUENCE DESCRIPTION:	
	GATCTGAGCC CCCAAGATGG AGAATGGGGA GGAGCTTTTT ATGGCGGACT GATTAAAAA	CT 60
	CTTAAGCATT TAAA	74
5		
	SEQ ID NO:1770	
	SEQUENCE LENGTH: 72	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
10	CLONE: HUMGS01990	
	SEQUENCE DESCRIPTION:	
	GATCTGCTTG GCCTTGATAA GCTATGTTGT TGCACTTTAA ACATTTAAAT TATACAATG	CA 60
	TCAACCCCCA AA	72
15	101110000011111	
	SEQ ID NO:1771	
	SEQUENCE LENGTH: 69	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
20	CLONE: HUNGS01991	
	SEQUENCE DESCRIPTION:	
	GATCCTCCCC TTCAAATGAC TGTAATTAAC AACACTTAAA AAACTTGAAT AAAATATTO	GA 60
	AACCTCAAA	69
25	18100 1 0 1811	•
	SEQ ID NO:1772	
	SEQUENCE LENGTH: 68	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
30	CLONE: HUMGS01992	
	SEQUENCE DESCRIPTION:	
	GATCTATTCT GAAGCTGTTC ATTTTTAACA AATAAAATGT TACAGGTTTC ACATGATT	TA 60
	TTCTCAAA	68
35		
	SEQ ID NO:1773	
	SEQUENCE LENGTH: 66	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
40	CLONE: HUMGS01994	
	SEQUENCE DESCRIPTION:	
	GATCCGTAAC TNCGGGATAA GGATTGGCTC TAAGGGCTGG AGAAGGAATG AATAAAAA	AA 60
	AAGAAA	66
45		
-	SEQ ID NO:1774	
	SEQUENCE LENGTH: 67	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
50	CLONE - HIMGSO1995	

	SEQUENCE DESCRIPTION: GATCCCATGT CTCTGCCAGG CAGCAAA	ACCAAGGCNG	ATGTTTCCCC	ACTAATAAAG	TGCCGGGTGT	60 67
5	SEQ ID NO:1775 SEQUENCE LENGTH:65 SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear CLONE:HUMGS01996 SEQUENCE DESCRIPTION: GATCCTTTTT AATACCACAG GGAAA	CATTTGTACT	GTTCCTTTTT	AATATACTGA	AAATATAAAA	60 65
15						
-	SEQ ID NO:1776 SEQUENCE LENGTH:71 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGSO1997 SEQUENCE DESCRIPTION: GATCCGATTA TTTCTGCCAG GCAGGCNCAA A	TNTATTTTGG	NCACTTTATA	ATCATTAAAG	CACTTTCTTG	60 71
25	30.1430.10121 II					
	SEQ ID NO:1777					
	SEQUENCE LENGTH: 72 SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	acru				
30	CLONE: HUMGS01998					
	SEQUENCE DESCRIPTION: GATCTTACAA TAATGTTCCA	CTCTCCAAAT	ተ ሞሞ ለ ለ <u>ርር</u> ተሞ	CAAATAAACT	ተ ሞል ለ ተሞር ተሞሞ	60
	GCAAACTGTA AA	CICIOCAAAI	IIIIAAUUII	CAMITAMOI	IIAAIIUIII	72
35						
	SEQ ID NO:1778 SEQUENCE LENGTH:65					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear					
40	CLONE: HUMGSO1999 SEQUENCE DESCRIPTION:	•				
	GATCATTGCA CCATGTCAGA	CTTTTGTATA	TNCCTTGAAA	ATAAATGAAA	GTNAGAATCN	60
	TCAAA					65
45	SEQ ID NO:1779					
	SEQUENCE LENGTH: 62					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					
	CLONE: HUMGS02000					

5	SEQUENCE DESCRIPTION: GATCCTGTCC TGATTCTCAA AAATTATTTT CTCTGTATGA TTAAAAGTTT ATTCCATTTA	A 60 62
10	SEQ ID NO:1780 SEQUENCE LENGTH:66 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02001	
15	SEQUENCE DESCRIPTION: GATCCCTTCA TTTGAATATT AATGGCTTTT TCCATTAAAG AATAAAATAT TTTGGACAAT GCCAAA	60 66
	SEQ ID NO:1781 SEQUENCE LENGTH:68 SEQUENCE TYPE:nucleic acid	
20	TOPOLOGY:linear CLONE:HUMGSO2002 SEQUENCE DESCRIPTION:	
25	GATCAAATTT ATAAGTTATT ATTTTTAATT TTCTAAATTA AATAAAAGAA AGAATGCAAA CCAGGAAA	60 68
	SEQ ID NO:1782 SEQUENCE LENGTH:59 SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY:linear CLONE:HUMGS02003 SEQUENCE DESCRIPTION: GATCAATAAA GAGTAATTTC TTGCTAAATA AATAAAAGAA ACCTTGTTGA AAAACTAAA	
35	SEQ ID NO:1783 SEQUENCE LENGTH:59	59
40	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02005 SEQUENCE DESCRIPTION:	
	GATCTGAATN ATGCACCCCA CCCCCACCCC AATAAAGAAA TAACAGAAAA CCCTCGAAA	59
45	SEQ ID NO:1784 SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
50	CLONE:HUMGS02006 SEQUENCE DESCRIPTION: GATCTTCATT TTTTTTTTA AACTTGGCGT TTTTTGAATA AAAACCTTTT GTCTTAAA	58

	SEQ ID NO:1785	
	SEQUENCE LENGTH: 59	
	SEQUENCE TYPE: nucleic acid	
5	TOPOLOGY: linear	
	CLONE: HUMGS02007	
	SEQUENCE DESCRIPTION:	
	GATCTCAGTT GTAAATAGAA AAATCTAATT CAATAAACTC TGTATCAGCC CCCAACAAA	
	CHICAGO COCAACAAA	59
10	SEQ ID NO:1786	
	SEQUENCE LENGTH:52	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
15	CLONE: HUMGS02010	
	SEQUENCE DESCRIPTION:	
	GATCCAAAGT CATGTGTCCA CACATTCATA AATAAAAATT TTACCTATGA AA	52
•	SEQ ID NO:1787	
20	SEQUENCE LENGTH:51	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS02011	
25	SEQUENCE DESCRIPTION:	
	GATCCAGTGA AGCCAGAAGC CAAATAAACT CAAAAGCTGT CTCCCCACAA A	
	CHICONGTON AGCONGANG CAMMIANACT CAMMICTUTE CTCCCCACAA A	51
	SEQ ID NO:1788	
	SEQUENCE LENGTH: 54	
30	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUNGS02012	
	SEQUENCE DESCRIPTION:	
35	GATCCTAATT TATGCCTATG CAAAAAATAA ATAACGCCCA AGAGCTGTGG GAAA	E 4
	THE DUTIES OF THE CHARACTER ATTACOCCU NORUCIUS OF THE CONTROL OF T	54
	SEQ ID NO:1789	
	SEQUENCE LENGTH:53	
	SEQUENCE TYPE: nucleic acid	
40	TOPOLOGY: linear	
	CLONE: HUMGS02013	
	SEQUENCE DESCRIPTION:	
	GATCGCCTAG TATGTTCTGT GAACACAAAT AAAATTGATT TACTGTCTGC AAA	53
45	and the state of t	33
	SEQ ID NO:1790	
	SEQUENCE LENGTH:58	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
. 50		

	CLONE, WHICCOSOS					
	CLONE: HUNGS02025					
	SEQUENCE DESCRIPTION					
	GATCCGTAGT AATAAATTC	CAGAGGACTO	AGCCTTTCCT	' GCGGGTCTGG	AGCTCAAA	58
5	050 ID VO 1501					
	SEQ ID NO:1791					
	SEQUENCE LENGTH: 597					
	SEQUENCE TYPE:nucleio	acid				
10	TOPOLOGY:linear					
70	CLONE: HUMGS02039			•		
	SEQUENCE DESCRIPTION:					
	GATCAGAGTC TCTTGGGCAT					
	ACAGATGATG TATGTNAGTA					
15	AGTGACCATG AAGTCCTGTA					
	GTACTGTAGT AATCCATTCT					
	TGGAAAAGAC TTTCTCTTTT					
	CAACTCAATC CCCGTTAATA					
••	CTGTGTCCCA ACCTGTTGCC					
20	TCCTTGGAAT TGTCTAACCA					
	CTTTGGNCTT AATTTTCCTN					540
	ATTACTGGNG GTACCATTTG	GTAGGATTGT	TTTAAATAAA	AAAACCTGGT	TTTTAAA	597
	SEQ ID NO:1792					
25	SEQUENCE LENGTH: 518					
	SEQUENCE TYPE:nucleic	:-				
	TOPOLOGY: linear	acio				
	CLONE: HUMGS02040					
30	SEQUENCE DESCRIPTION:					
		A + C C C C C C C C C C C C C C C C C C				
	GATCCAAAAC TGGACCCTTG					60
,	AGACAAGGAA AAAANNCAGG					
	TCTGGACCTG CACAAGAGCC					
35	TGAGATGGAA GCCAACTTCA					
	GACCCACAAT AANGATGTCA					
	CTGCCGCTCC GACCACTGGC					
	GTCTGTCCAC TCCCTCGATG					
40	CCNTTCCGNG GCTGNCTNCT			AGGTGGCCTN	CCAAANGTTN	480
	CGCCCAAGGT TGACAATAAA	GTTGCTCTGA	GTTTGAAA			518
	SEQ ID NO:1793					
	SEQUENCE LENGTH: 513					
45	SEQUENCE TYPE:nucleic	arid				
45	TOPOLOGY: linear	ac14				
	CLONE: HUMGS02041					
	SEQUENCE DESCRIPTION:					
	GATCTGTAAT TTTAATTTTC	ACCCTCTGTA	CCCCATGACC	TTATCCTTCC	ፐቦቸቦቦሞቸቦቦቱ	60
50	TGTTACCCAT GAAAAACTGG					
	dinamato (dd	O'MONT TOOK	UNIVERSE T	ULULACAAAU	JANUARAUDE	120

	ATAAAGGTAA AACAAAACAA	AACAACATTT	TGAGAACAAA	GATGACCATA	ACCACTGAAG	180
	GGAATCACAT CTTTTAAGAC	AAATTCATAT	TCTTTTATTT	GTTATGGCAG	ATGACAAGAT	240
	GGTACAACCT TTATTCTTTT	NCAAAATAAA	ACAAAGGGCA	CAGCATCTGT	AGTCAGCCGA	300
5	CAACTATING GGCCTTTTGG	GGGTNGGTCT	NGCCGTACTT	GTGATTTCGA	TGGTACGTGA	360
•	CCNTNTTCTG GAAGGCTTGC	CCCNTTGCCC	GTGTACATAG	GTGCATTGGT	TNCTNTGGGA	420
	GGGGCCCAAG NACTTTTNGG					
	CCTCTTGNNA NTTTTTTNTG					513
10						
70	SEQ ID NO:1794					
	SEQUENCE LENGTH: 499					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
15	CLONE: HUMGS02042					
	SEQUENCE DESCRIPTION:	-				
	GATCTCTTAA GAGATGATGG	ACTCATGTAT	GTCACCCGAC	TTCGCAACAC	TGGGGTTCAG	60
	GTGACTCATA ACCATGTTGA					
	ATTAGTCACA GACTTATAAA					
20	ATGTAGCTAT AACATATTTT					
	ATTGGTCTTT CTTAGAATGG					
	ACTITICIGI TITITITINO					
	TGCTTTTNCT GNGATTTTCC					
25	NNGNANACNT TAANTTTGGG					
	GGTGGGGCCA ATTTTTAAA					499
	SEQ ID NO:1795					
	SEQUENCE LENGTH: 483					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02043					
	SEQUENCE DESCRIPTION:					•
35	GATCAAAGCG CCACTGCCCT	GCACTTCCTG	GGCCGCGTGG	CAACCCGCTG	NGCACAGCAT	60
	GAGGCCAGGG NCCCAGAACA					120
	AGGCCAGCAG CAGATAACAA	CCCCGGACAA	ATCAGCGATG	TGTCACCCCC	AGTCTCCCAC	180
	CTTTTCTTCT AATGAGTCGA					
	TGCTGCATGG AGTGAGCAGT	AGAAGCCTGC	AGCGGCACAA	ATGCACCTCC	CAGTTTGCTG	300
40	GGGTTATTTT AGAGAATGGG	GGTGGGGAGG	CAAAGAACCA	GTGTTTAGCG	CGGGACTACT	360
	GTTCCAAAAA GANTTNCAAC					
	CAAGTTTGAG AACAAAAATT					
	AAA					483
45						•
	SEQ ID NO:1796					
	SEQUENCE LENGTH: 481					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
50	CLONE - HIMGSO2044					

	SEQUENCE DESCRIPTION	:				
	GATCCAAAAC GCTTCGAGG	C ACCCCAAATT	ACCTGCCCAT	TCGTCAGGAC	ACCCACCCAC	60
	CCAGTGTTAT ATTCTGCCT	C GCCGGAGTGG	GTGTTCCCGG	GGGCACTTGC	CGACCAGCCC	120
5	CTTGCGTCCC CAGGTNNNN	A GCTCTCCCCT	GGGCCACTAA	CCATCCTGGC	CCGGGCTGCC	180
	TNGTCTGACC TCCGTGCCT	A GTCGTGGCTC	TCCATCTTGT	CTCCTCCCCG	TGTCCCCAAT	240
	GTCTTCAGTG GGGGGCCCC	CTCTTGGGTCC	CNTCCTCTGN	CATCANCTGA	AGACCCCCAC	300
	GGCAAACACT GAATGTCAC	TGTGNCTGCN	GNCTCGGTCC	ACCTTGCGGG	CCGTGTTTGA	360
	CTAAACTTNA ACTTCTTTT.	A ACGGTAATAT	TTCCGGCAAA	AATCCAATGG	TTTGGGTTTT	420
10	GGTCTTTTAA CNTTGTAAA	GGTTGCAAAT	CCAAATAAAA	GCAATTAAAA	AGTCAATGAA	480
	Α .					481
	SEQ ID NO:1797					
15	SEQUENCE LENGTH: 462					
	SEQUENCE TYPE:nucleio	acid:				
	TOPOLOGY: linear					
	CLONE: HUMGS02045					
	SEQUENCE DESCRIPTION			-		
20	GATCTAAAAG GGTTTTCTT	GAAAGGGCAA	TATTGTCCAA	TGAAGTAAGC	AGAAGGACTC	60
	TGGGTTAGAA GCATCTGCAC	AAAAACTGGT	GAGACCTACT	CTCCACTGCT	CTGCAGCTGG	120
	ATGGCTGATG GCAGGCTGAG	CAGTGGGGAA	GCAGGTTTTA	ACAACAGGGA	GTCCTTCCAG	180
	GTCACTGTAT ATTGNGAAGA	AACATAAAAC	TATTGTCTGT	TACATTCCGA	GGTCAGCCTT	240
25	CINCITAACG TITTATAATA	TGCAAATNCC	AGCTTCTGGA	AAGCANGTAT	CATCATGTAC	300
	CAAATGCTTT ATACACCATO	CACATTCATGA	NTTTTTNAGC	ATGGTCAGAN	CTTGTGTAAA	360
	TATGTCTCTT AGGATGATT				TTCCAAANTN	420
	GCATTTTCCA TTTCAAAATA	AGGNTAATCT	NTTGGGGCCA	AA		462
30	455 15 115 151					
	SEQ ID NO:1798					
	SEQUENCE LENGTH: 448					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
35	CLONE: HUMGS02046					
	SEQUENCE DESCRIPTION:		#00m; 0000;		000000000	
	GATCAGCCTG CAGCCATCCC					60
	CATCTCCCCC AGCCCACTT(
40	GGGCCCTTGG NNNCTCTTCT					
	AGCTGGGGCC AGCAGGTTC1					
	TGTCCTGTCC CTTCACCAG1					
*	ACAGTTCACA TTCCACTGCT					
	CGGGAGCCAA AGACCCNAG1		GONTINGGGI	NUUUUAUUNI	IUUNAUCUCI	
45	NIIIIIAIAA AIAIIAIAGA	IAAUUAAA				448
	SEQ ID NO:1799					
	SEQUENCE LENGTH: 448					
	SEQUENCE TYPE: nucleic	acid				
50	TOPOLOGY: linear					

	CLONE: HUMGS02047			
	SEQUENCE DESCRIPTION:	7. G. L. D. G. V. G. D. G.		
-	GATCTGGTTG GTGGATGAAC AAGTGTCACG CTGGCCATC			
5	GTGGCACTTA CTCAAAAGCA TCTACTCCTA ATGGTTATG			
	CTTGGAAAAC CCGGTGGTAT TCCATGAAGA AAACCACTA			
	GACTCACAAT TGGAGAAGGA CAGCAACACC ACCTGGGGG			
	TTTAAAAGAC CGTTTCAAAA GAGATTTACT TTTTTAAAG			
10	TATAATATTT TTCCTATTGG ACAATGGACT TGCAAAGCT			
	AAGACCCCAT GTTGGAAAAC TCCATACCAG TTTTATGCT	G ATTGATAATT	TATCTACATG	
	CATTTCAATA AACCTTTTGT TTCCTAAA			448
	SEQ ID NO:1800			
15	SEQUENCE LENGTH: 432	•		
	SEQUENCE TYPE:nucleic acid			
	TOPOLOGY: linear			
	CLONE: HUNGS02048			
20	SEQUENCE DESCRIPTION:			
	GATCTGAATT ATCTGGCACC CTCCTGAATG GAACCCCAG			
	TCCTGGATTT TCCCTAACAC CCACCCTCTC CCCCTTCAG			
	TAAGAACTTG GAGCCCATTT CTCACTGGAG AGGAAAACT			
	AGGTTCCACC TTACGCTCGT AGTACATTAT CTTTACTAT			
25	AAGGACAAAA AAATGTAAAA TACTTGAATG AGCTTGTAT			
	NGTATCTGCT TTCCAGGCTG AAGTGATTCA TTCATTATT			
	GTAATTTGTG GTAATTATGC TTTTCTTTTT AATACAAAA	AATGTATAAA	ATTAAACACT	420
	TGAAAAGGCA AA			432
30	SEQ ID NO:1801			
	SEQUENCE LENGTH: 430			
	SEQUENCE TYPE:nucleic acid			
	TOPOLOGY: linear			
35	CLONE: HUNGS02049			
	SEQUENCE DESCRIPTION:			
	GATCCGNGCG AGGGCAACAG CGGNTCACCT ACAGCGCAC	GTCGATGGCT	GCACGAGTCA	60
	CACCGGAGCC TGGGGCAAGA CAGTGATTGA ATACAAAACG			
•	CATCATCGAT GTGGCCCCCT TGGACGTTGG TGCCCCAGAC			
40	TGGCCCTGTC TGCTTCCTGT AAACTCCCTC CATCCCAACG	TGGCTCCCTN	CNACCCAACC	240
	AACTTTNCCC CCAACCNGGG AAACAGACAA GCAACCCAA			
	AAAANTNGGG AGACAATTTC ACATGGACTT TGGAAAAAT	TTNTTTTCCT	TTGCATTCAT	360
	NTNTCAANCT TAGTNTTNTA TCTTTGANCA ACCGGANCAT	GGCCAAAAAN	CAAAAGGTGC	420
45	ATTCANCCTN			430
	SEQ ID NO:1802			
	SEQUENCE LENGTH: 428			
	SEQUENCE TYPE: nucleic acid			
50	TOPOLOGY: Lincon			

55

TOPOLOGY:linear

	CLONE: HUMGS02050					
	SEQUENCE DESCRIPTION	l:				
	GATCCCAAGG GAAAGATGA	T TTGTATGTTA	AAGTGACTGC	ACAAGTAAAA	GTCCAATGTT	60
5	GTGTGCATGA AAAGGATTO					
	TATTTGGTTT GAGAAACAC					
	CTCATAATGT TGATATAAT					
	AAAGACCTTA AGCTGGCAT					
	TTGTATTTAA TGAAATGCA					
10	TCCTGTTAAT AGAGAGATO					
	AAAATAAN					428
	SEQ ID NO:1803					
15	SEQUENCE LENGTH: 401					
	SEQUENCE TYPE: nuclei	c acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02051					
	SEQUENCE DESCRIPTION	l:				
20	GATCAAAACC AAACTGTTO	A ATGTGACAGT	CTGAAAATTA	TATACTCTAC	TTCATTCATG	60
	TTACACTTTT TTCTACTC	T TACCTGCTTT	TACTAATGCA	TTTATCCCCA	AGAAAACATC	120
	CAACAATATG GGACTAAT	TT GGAACAATAT	CCAGCAATTG	GTATTTAAAT	AATTTACTGG	180
	TTACAAAACA ATATTATGA					
25	GGCCTTAAAA AATAGATT	C TAAAATCAAA	ATCATGGTTG	GCTCATGGGT	GGGATTATTA	300
	GTGTTCCTTA TAGTAGTT	TG TCTGGATGTA	CTTTCTGATT	CTCCTGTAAT	AAGCATGCAT	360
	TGCTTTTGTA ATGNGGGA	AT AATANACCAA	TAAAAAGGAA	A		401
30	SEQ ID NO:1804					
30	SEQUENCE LENGTH: 396					
	SEQUENCE TYPE: nucle	ic acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02052					
35	SEQUENCE DESCRIPTIO					
	GATCCGGCTG CAAAATTC					
	ATCCGGAAAA AAGATTTT					
	AGTTTACAAT GTATTGTA					
40	ATATAAGAAA CTGGTACT					
40	ACTATATTTA AAGCCAGC					
	CAATATTTTA AATGTCCG			AAATGGAAAT	ATTIGANCII	
	TCTATTGAAG ACAATAAA	GG TACACAAGT	GTTAAA			396
	ana in un :005		•			
45	SEQ ID NO:1805					
	SEQUENCE LENGTH: 392					
	SEQUENCE TYPE:nucle	ic acid				
	TOPOLOGY: linear					
50	CLONE: HUMGS02053	w.				
	SEQUENCE DESCRIPTION	Π.				

	GATCAAGAGC AGTG	CTTCTC	CATTTGTTTT	GCAGAGAAAT	GTTTTTCATT	TCCCGTGTGT	60
	TTCCATTTCC TTCT	GAAATT	CTGATTTTAT	CCATTTTTTT	AAGGCTCCTC	CCCATCTCCT	120
5	TTCTTAAGGC ACTG	TTGCTA	TGGCACTTTT	CTATAACCTT	TTCATTCCTG	TGTACAGTAG	180
ŭ	CTTAAAATTG CAGT	GATTGA	GCATAACCTA	CTTGTTTGTA	TAAATTATTG	AAATCCATTT	240
	GCACCCTGTA AGAA	TGGACT	TAAAAGTACT	GCTGGACAGG	CATGTGTGCT	CAAAGTACAT	300
	TGATTGCTCA AATA	TAAGGA	AATGGCCCAA	TGAACGTGGT	TGTGGGAGGG	GAAAGAGGAA	360
	ACAGAGCTAG TCAG	ATGTGA	ATTGTATCTG	TN			392
10							
	SEQ ID NO:1806						
	SEQUENCE LENGTH	:389					
	SEQUENCE TYPE:n	ucleic	acid				
15	TOPOLOGY: linear						
75	CLONE: HUMGS0205	4				•	
	SEQUENCE DESCRI	PTION:					
	GATCCTATTT GGTA	TGTTTT	TGTCCACTGT	TATGATTCAT	CATGTATCTT	ACAAGAGCCA	60
•	CTCAAGCAAG ACTC	TGCTTC	TATGTATGGT	GAGGCCTTGT	TGTTCTAGGC	TAGAATAAAC	120
20	TCTTTGTATG CCTC	AGTGAA	TATGCCAGGT	AAAATATATG	CAGTCAAGAA	TGAATTATTT	180
	TTCTGACTAA AGTG	TGTAGC .	AGTAAGTTCA	AAATNGTGCC	CTTGTTTTAA	CAGTTTCTGT	240
	CAACATCTTC TCAT	TTTTCC	CTACAAAAAC	ACCAGGGTGT	ATTATAAGTA	CTGCCTGTGA	300
	GAATTTGCAC TTTA	TGTATT '	TGTGTGTGGG	ATTTCTTGTG	GTTTTAGCCA	AATGAAGTGT	360
25	TATCHNTAAT AACC	AGGTCT	CTTCATAAA				389
•	SEQ ID NO:1807						
	SEQUENCE LENGTH	: 388					
	SEQUENCE TYPE:n	ucleic	acid				
30	TOPOLOGY: linear						
	CLONE: HUMGS0205	5					
	SEQUENCE DESCRI	PTION:					
	GATCCAATTG ATGT						60
35	TTATTAATAT GAGT						
	TACTGCATGT AAGC						
	CTACCACCGA ATCC						
	CTAAGTTATT TACT		-				
	TCACTTTGAA AAAT			AAGCCAGTTT	TCATTTTGGT	TTTGTGGTTT	
40	TGGGTTAATA AAAC	AATACT	CAAATAAA				388
	SEQ ID NO:1808						
	SEQUENCE LENGTH						
45	SEQUENCE TYPE:n		acid				
	TOPOLOGY: linear						
	CLONE: HUMGS0205						
	SEQUENCE DESCRI				A A C C T C C T C C	1000010011	60
50	GATCTTTTCC ACCA						
JU	ACCATAGCCC TCCC						
	TGGGAGTGAG TAGC	ICIGIG	TITAGAGTTG	UUUACAAUUA	IUNUNUUUAA	GICCAGGAGI	TQU

	CCAGGACAGC AGGTGCTGGC	CGGTGGGGAG	CGGGGAGGGG	CACTGAGATG	GGCAGGGCCT	240
	GGACATTCCA CACCCTGGTG	CTGTGCAGCC	TCTGGCAGAG	CATCCGACCT	CTTGGAGCAA	300
	GTTTCTGCCT CTGGAAAGGG					
5	ACAACACGNT GCCATGAAA					379
	SEQ ID NO:1809					
	SEQUENCE LENGTH: 379					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear	•				
	CLONE: HUMGS02057					
	SEQUENCE DESCRIPTION:					
	GATCCTAGGG GGTTTTGTTT					
15	TGGCATTTTA AGGTGACTGA					
	CATTCTTNAC GCAGGGGCTT					
	TAATTTAATG ATAAAATTTA					
	TNATTTTTCA CTAAACAGGC					
20	GTAAAATGGA AATGGGCAGA	NTATTCAATT	TTCCATCTAT	GNAAATTTTC	NCATTAAAAC	
	TCATAGNTTT CTTTGNAAA					379
•						
	SEQ ID NO:1810					
25	SEQUENCE LENGTH: 358	. ,				
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02058					
	SEQUENCE DESCRIPTION:	CTCC+++CTC	CC+CCT+TTC	TTCCACAAGG	NCCACATGAC	60
30	GATCNGTTCA GCCCTGAAAA CTCTATAAAT CAGATGCATT					
	GCAGCTGCAA GTACCGCTGT					
	TTCAAGGCCN CCNGGCTTNA					
	TTCATGGGCA GAGTAGCCAA					
35	TCCTATTTTN GGTTTGTGAA					358
	ICCIAITIIN UUTITUTAA	CAUAAUIAAA	MIMMINON	7770 7111111111111111111111111111111111		
	SEQ ID NO:1811					
	SEQUENCE LENGTH: 358					
. 40	SEQUENCE TYPE:nucleic	acid				
· 40	TOPOLOGY:linear					
	CLONE: HUMGS02059					
	SEQUENCE DESCRIPTION:					
	GATCGTTTCT NATCTCNAAG	TNCCTCATTG	AGNTCGGTGC	ATCTGGCCAN	TGAGTCTGCT	60
45	GAGACTETTG ACAGEACETE	CAGCTCTGCT	GCTTTCAACA	ACAGTGACTT	GCTCTCCAAT	120
	GGTATCCAGT GATTCGTTGA	AGAGGAGGTG	CTCTGTAGCA	GAAACTGAGC	TCCGGGTGGC	180
	TGGTTCTCAG TGGTTGTCTC	ATGTCTCTTT	TTCTGTCTT	GGTGGTTTCA	TTAAATGCAG	240
	CACTTGGTTA GCAGATGTTT	AATTTTTTT	TTAACAACA1	TAACTTGTG	CCTCTTTCTA	300
50	CACCTGGAAA TTTACTCTTN	GAATAAATAA	AAACTCGTTT	GNCTTTGNCT	TCTGCAAA	358
3 <i>0</i>						

5	SEQ ID NO:1812 SEQUENCE LENGTH:344 SEQUENCE TYPE:nucleic TOPOLOGY:linear	e acid				
	CLONE: HUMGS02060					
	SEQUENCE DESCRIPTION			m.m.m		•
	GATCTATACT AGATAATCC					60
10	ATGACTGAGG AAAGGAGCTG					
	AGAAGGTCTG GCAGNNNTCA					
	ACACACGCTG CATAGAGCTC					
	TTGCAATGTA TTTATAAATA				GAAGIIIGIC	344
	IIUCAAIGIA IIIAIAAAI	UIAAAIAAAU	IIIIIACCAI	innn		744
15	SEQ ID NO:1813					
	SEQUENCE LENGTH: 338					
	SEQUENCE TYPE:nucleio	acid				
	TOPOLOGY: linear					
20	CLONE: HUMGS02062					
	SEQUENCE DESCRIPTION					
	GATCCAGTAG TAGAGACATO	ATCGGTCCAA	AAGACTTTGC	ATCTCATTAG	TTGTCCATAG	60
	TGACTACCAG GAGGTGGCT					
25	CTGTGTTTTT TTTTTNAACO					
	TAATTGAAAT ACTTGGGGTA					
	TCAGGNCTAA CAAACTTTTC	TTTGTCTGGA	NGCATATATA	TTTGTGATAT	AATTTNAATA	
	TGTATAATTT TGGTTTAATA	AATCAAATCT	ATGCCAAA			338
30	CEO ID NO. 1014	•			÷	
	SEQ ID NO:1814 SEQUENCE LENGTH:336					
	SEQUENCE TYPE:nucleio	anid				
	TOPOLOGY: linear	, acru				
35	CLONE: HUMGS02063					
33	SEQUENCE DESCRIPTION	•				
	GATCCATAGA ATGGATACT		AGTAGACTTT	GCTACAGGTA	GCCAATAGCC	60
	CAGCCTGCAG AGTCACGTCA					
	CAATCACTAA CTGCTACTA	AAAAAGGTAA	AACAAAAATG	AACTTACACT	TTCAAAATAT	180
40	CATTCATGTA TATTAAACA	ATACTTCTTG	AGTGTCTACC	CAGTGCCAGA	CAGTGGTCTA	240
	GGTTCTGGGA GGTACAGCA			GCTGAGTGTT	CCTAACAAGG	300
	AGGCTGATTT TGCTGCTCT	A CTTTGCACTG	GTTAAA			336
	SEQ ID NO:1815		•			
45	SEQUENCE LENGTH: 335					
	SEQUENCE TYPE:nuclei	r acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02064					
50	SEQUENCE DESCRIPTION	<u>:</u>				

	GATCTGGATG TGGATGATGC					
	TAAGCACCTT TCACAACCTC					
5	CCATCTCGGT GGTGTGCTTC					
3	GCTGCCCTAC AGCACCCTGT					
	TATTTTTTT TTTTNGTAAN			ATGAGGNNGG	GGNNTANCCA	300
	NGTGTNATGT TTNGGAAANN	NAAATGGNAT	CTTTN			335
10	SEQ ID NO:1816					
	SEQUENCE LENGTH: 335					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02065					
15	SEQUENCE DESCRIPTION:					
	GATCCATGTG TAATATCACA	AGAAATTATG	GAAAAATATA	ACATAAAATT	AAAGTGGACA	60
	AACCAACAAA AGCTTTATTC	AAGAACAGGT	GACATAGTTG	AATTTGTTTG	TAAATCTGGA	120
	TATCATCCAA CAAAATCTCA					
20	CCCAGTTGTG AAGAAAAATA					
	CTGAATTTAC TATTATATTT	GTTTTCAATT	TCATTTTTCA	AGTACTGTTT	TACTCATTTT	300
	TATTCATAAA TAAAGTTTTG	TGTTGATTTG	TGAAA			335
25	SEQ ID NO:1817					
25	SEQUENCE LENGTH: 334					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear		•			
	CLONE: HUMGS02066					
30	SEQUENCE DESCRIPTION:					
	GATCTTGATG CGGGACTTCA					60
	CCGNNACTAC AACAAGTACA					
	GCTGGCATGC TACGTGCTCT					
35	GCTCCGCAAA TACCACTGAA					
	CGAGCCCCTC CGGNNGGAAC			ATCCTTTCAT	ATCCTAATAG	
	GAATTAACCT CCAAATAAAA	CATGACTTGG	TAAA			334
	SEQ ID NO:1818					
40	SEQUENCE LENGTH: 328					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02067					
45	SEQUENCE DESCRIPTION:	100010110				
	GATCCAAACA TGAAAGCTGG					60
	TTGTTGAGTA AAAAGACTGG					
	GGTGGGGCTG GAGGTGGAAG					
	CCTGTCTTAG ATGTTCATGC					
50	CCCACAACAC CTACATCTCC TTTATTCTGT TTTCTGGGNT		GAAGCTTCTT	GAAGATACCA	AAIAAAGUUA	
	11.000000000000000000000000000000000000	AAJUIAAA				328

	SEQ ID NO:1						
	SEQUENCE LE						
	SEQUENCE TY		aciu				
5	TOPOLOGY: lin						
	CLONE: HUMGS						
	SEQUENCE DE						
	GATCGGGGCT						60
10	AGAGTTTAAA						
	TAGGTGCTAA						
	CANCAAATCC (
	CAGCCTGTAA	TAGTGTGTCT	GCATTTNCAA	CCTGTTGCAA	TAACTTTNCT	GAAATATTAA	300
	CACATTAATA	AAACTTTTCT	TAAACAAA				328
15							
	SEQ ID NO:18	820					
	SEQUENCE LE	NGTH: 328					
	SEQUENCE TY	PE:nucleic	acid				
	TOPOLOGY: li	near					
20	CLONE: HUMGS	02069					
	SEQUENCE DE	SCRIPTION:				•	
	GATCAGAGAA (GAGGCTACTG	GGGGAGAATT	CAGTGCCCCC	TTCGCCCTCT	AGGGNGCAGA	60
	CCTCCACTGC (CATTGTCCTG	TNAGCCGCCA	AANACCCCAC	GGGGTGCCCG	CATGTCCCTG	120
25	TCTANNNGCA (GCCCAGGGCC	CCCACTCCTG	GCTCCTNACA	CTTGCCTCCC	CTATGGCCGC	180
	TCTCCAGACC (CTCCTCCTTT	CTTCTCCCCA	CATCCGCACC	TGCTGTTCCC	ACTCTGGGGT	240
	TCTCAAGTCC A	ATGAACAGAT	ATTGTTGCAT	TTTCCACAAT	GCTGATTAAA	CATAATAAAC	300
	AATCCAGAAA A	AGCAGTTTTG	CCCAGAAA				328
30	SEQ ID NO:18	Q 2 1					
	SEQUENCE LE						
	SEQUENCE TY		2014				
	TOPOLOGY: lin		acru				
	CLONE: HUMGS						
35	SEQUENCE DES						
	GATCCAAAAG		GAGTTTACCC	CTGGGATGGG	CCATCCATCT	NCACCTGACT	60
	TTGGGGCCAC						
	TTTNTGCTCT						
40	CTCCCTGGCA						
	CCAGGGCCCA						
	GTTCTCTTGA (deliculand	dodiciciou	CCCAUTITOC		.319
	difficition (CAUCICAAA					. 313
45	SEQ ID NO:1	822					
	SEQUENCE LE	NGTH:315					
	SEQUENCE TY	PE:nucleic	acid				
	TOPOLOGY: 1 i	near					
	CLONE: HUMGS	02071					

5	SEQUENCE DESCRIPTION: GATCATCAGA TGGTCGAGTA CAATGGTGAG ACTTATTCT AATACTAGTC TGAGCAGCCC TTGTTCAGTG TAGTCATTC TTTTATAGAG CATGTGTTTG TAAAANCATTC TGAAA	ACCCTCTACT TAATACTAGA TTAGTATCTG	TTCCACTATT TGTACCTAAA TTTATATTTT	ATTNTTTTCC CAGAGATACA GTCACACATC	CCTATTGGAT AGCCAAGTCA AGAATGTATA	120 180 240
10	SEQ ID NO:1823 SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUHGS02072 SEQUENCE DESCRIPTION: GATCGCTTTT TTGCCGCTCA AAGACTAGGG GGAGGTTGAG					
20	TAGCTNNNNT TCATGCTCTT TTAAACATGA CTCATCTCTT ACTTGTTAGA AACAGAATAA ACTTTACACT TCAGN	AAGGCTTTAT CGATTTTCTT	TTTTCTAGAA GTATAGGTCT	TGCCAAGAAA TCCTCCCACC	CCAACTTTCT CCAAATCTAC	180 240
25	SEQ ID NO:1824 SEQUENCE LENGTH:332 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02073	acid				
30	SEQUENCE DESCRIPTION: GATCGAAAAG GGACCCTGCT TAGAAGAATG CTCTTGGTCT CTTTCAAGTG ACAATCCTCT	GTGGGTCCAG	TGTTGTCTGT	CATCCATTTA	AGTGTTCCCA	
35	GCCTGACTTT NATGCCCTAA GTCTTTATAT CTGACTGTAT TGCAATAAAG TTTGTTTTGG	ATAAATGAAG	TTTTTTNGTT			
40	SEQ ID NO:1825 SEQUENCE LENGTH:311 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02074	acid				
45	SEQUENCE DESCRIPTION: GATCAAGGCG CGGACGCTAT AAGCACAAGT ATGAGAACAA GTCCACCCAG CAGCTGTTTG	GTAGTTCCTT CCCAGAGCTG	GGAGGCCCCC GAGCCTCAGC	ATCCAGGCCA TTGAAGATGA	GAAGGACCAG TGCTCAAGGT	120 180
50	ACTCTTCATG GACCACCATT TTTACCTTCT GCTGTGTTTG					

	TGCCCTTGAA A					311
5	SEQ ID NO:1826 SEQUENCE LENGTH:309 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS02075 SEQUENCE DESCRIPTION: GATCTAGTGT TTGGAACGGA ATTGACGGGC ATTACAAGGA TAAAGGTTTA TAGTTTGGGA AGATATTCTT CGGTNCCNAT AACCAGATAT CAGGGTGGTT	TTACTTCGTG AATTATATAT AATTAAAATG	CCTNAGCTCT TATTATACAT AACCAGATAT	ACAGCTTTCT CTTTCCCCTG CAGGGTGGTT	CAAACGGCCT TCACTTTTGC AATTAAAATG	120 180 240 300
	CANATGAAA					309
20	SEQ ID NO:1827 SEQUENCE LENGTH:301 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02076 SEQUENCE DESCRIPTION:	acid				
25	GATCATGAAT AACTGATTAG TTTCTAAGGT AACAAGATGA AATATTTTAA TTTTTAAATG TAAAATGCAT GATTGCAGAA	GAACAGATAA CAGTTACAAA	AGATTGTGTG TTATAATGTA	GTGTTTTGGA TTCATATTTG	TTTGGAGAGA TACTTTCTGT	120 180
30	TTGTTCTTGT TTTTAAGTTT	GCACTCAAAT	CTTAAGAAAT	AAATCCACCC	ATGTTATCAA	300 301
	A					301
35	SEQ ID NO:1828 SEQUENCE LENGTH:298 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02077 SEQUENCE DESCRIPTION:					
40	GATCAGTGAA CTCTGGTTTT GTCACATTCT GTAAAGCACA GCCTAACTAT ATGAGATGGC AAAATATTTT GCTTTATGTA ACTCTAATTG TGAAGGCAGA	TTCTGTTTAG TGAAAAAATA TATTACAGTT	GAATCAACTT CCACATCGTC CTTTTTAAAA	ATCTCAAATA TGTTTTCACT CACTGGAAGA	GTAACTCGGG AGGTGATGCC CTCATGTTAA	120 180
45	SEQ ID NO:1829 SEQUENCE LENGTH:293 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE · HIMGSO2078					

	SEQUENCE DESCRIPTION:					
	GATCCCTTAT CCAACATGGT	TCTAACCTTC	AGTACTAAAG	AAGATGCAGT	TTCCTTTGCA	60
	GAAAAAAATG GATGGAGCTA	TGNCATTGAA	GAGAGGAAGG	TTCCAAAACC	CAAGTCCAAG	120
5	TCTTATGGTG CAAACTTTTC	TTGGAACAAA	AGAACAAGAG	TATCCACAAA	ATAGGTTGGC	180
	ACTGACTATA TCTCTGCTTG	ACTGTGAATA	AAGTCAGCTG	TNCAGTATTT	ATAGTCCATG	240
	TATAATAAAT ACATCTCTTA	ATCTCCTAAT	AAATTGGACC	TTTAAACTAC	AAA	293
. •						
	SEQ ID NO:1830					
10	SEQUENCE LENGTH: 291					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02079					
15	SEQUENCE DESCRIPTION:					
	GATCANNATT TGAAAAGGNT	TTCTAGAAAT	TNGGGGTAAG	AAGTACTACC	AAAATGTAAC	60
	TNCTAATCAA GGGTGATGCA	CAGCAAAAGC	AATGGACCCC	ATCCCTCTAA	AGCCTGCCCT	120
	CCTTTGCCTT CAACTGTATA	TGCTGGGTAT	TTCATTTGTN	TTTTATTTT	GGAGAAAGCG	180
	NTTTTAACTG CAACTTTCTA	TAATGCCAAA	NTGACACATC	TGTGCAATAG	AATGATGTCT	240
20	GCTCTAGGGA AACCTTCAAA	NGCANTAAAA	ATGCTGTNTT	GAAATGCCAA	A	291
	SEQ ID NO:1831					
	SEQUENCE LENGTH: 288					
25	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02080					
	SEQUENCE DESCRIPTION:					
	GATCTGGGCC TGAATAAGGG					60
30	TCTGTCTATC ACGTTCATCT					
	TAAGCACGTT TTGGGGATAA					
	AGTATGTTAA GTAACACACT	TATTTTTGCC	TGTNTATGGA	GAGATTCAAG	AAATAATTT	240
	AAAACCGCAT ACATAATAAA	AGACATTGTT	GCATGGCTTA	TAGTCAAA		288
35						
	SEQ ID NO:1832					
	SEQUENCE LENGTH: 288					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
***	CLONE: HUMGS02081					
	SEQUENCE DESCRIPTION:					
	GATCCAGCCT TAATNTTTTT					
	TCAGACTTAA TACTGTNAGG					
45	TCTCGCATCA TGTCTGCATT					
	ACAAAAACCC AGGACATTTT				GIGAATITI	
	ATACAAACAC TGTTCTATGA	GTTATATAAA	ATGTTATAAA	ACTAGAAA		288
	CPO IN NO. 1000					
50	SEQ ID NO:1833					
	SEQUENCE LENGTH: 285					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02082 SEQUENCE DESCRIPTION:	acid				
10	GATCCTGAGA ACTTCAGGCT GGCAAAGAAT TCACCCCACC AATGCCCTGG CCCACAAGTA GTTCCTTTGT TCCCTAAGTC TCTGGATTCT GCCTAATAAA	AGTGCAGGCT TCACTAAGCT CAACTACTAA	GCCTATNAGA CGCTTTCTTG ACTGGGGGAT	AAGTGGTGGC CTGTCCAATT ATTATGAAGG	TGGTGTGGCT TCTATTAAAG	120 180
	TOTAL TOTAL TAKE	NUICHTIMI	11101111001			200
15	SEQ ID NO:1834 SEQUENCE LENGTH:282 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS02084					
20	SEQUENCE DESCRIPTION: GATCTCATGG GCTTTCCCTG AAACTTGTAA ACAAGAGATG NCAAAACCTG AGAGCACTTT	TCTGTAGCTT TCCTTTGTTT	TTTTNCCCAT AGAATTATGA	CTGTAGTGTA GAAAGGCACT	TGTNAAGATT AGATGACTTN	120 180
	AGGATTTNCA TTTTNCCCTT TCTGTTTATT TTTNCCTACA				GGGAGGGAAA	240 282
25	icidilinii ilimootada	MIMBERGO	1,010,11101,1	•••		
	SEQ ID NO:1835					
	SEQUENCE LENGTH: 279 SEQUENCE TYPE: nucleic	acid				
30	TOPOLOGY:linear CLONE:HUMGS02085	doru				
	SEQUENCE DESCRIPTION: GATCTTAAGC TTTGATAAGA	CCTCTCCTGT	GGCTGAGTAT	GGTGTGTATG	TGAAGGTGAC	60
35	TTCCATCCAG GACTGGGTTC					
33	GCCCTTGCCT GAAAGCAAGN					
	GAGTNGATGC GATAAGATNN AATCAATAAA GAGCTTTCTT			CAGCCCTGCA	TTGCTGAGTC	240
40	SEQ ID NO:1836 SEQUENCE LENGTH:275					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear		•			
45	CLONE: HUMGS02086 SEQUENCE DESCRIPTION:		•			
	GATCCATAGT GCTACCTGCA	CCTCTGGATT	CTGGATTCAC	AGACCAAGTC	CAAGCCCGTT	60
	CTTACGTCGC CATAAAGGCC	CCCGAACGGC	ATTCTCGGTA	CTTCTGTTTG	TTTTTGTACA	120
	TTTNATTAGA AAGGACTGTA	AAATAGCCAC	TTAGACACTT	TACCTCTTCA	GTATGCAAAT	180
50	GTAAATAAAT TGTAATATAG			AAGAATGAGC	CTGTCCAATT	
	TCTGCTGTAC ATTATTAAAA	GTTTTTATTC	ACAAA	•		275

5	SEQ ID NO:1837 SEQUENCE LENGTH:269 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02087 SEQUENCE DESCRIPTION:	acid				
10	GATCCGAAGA GGAACTCCTG AGTTATTAAA GGACAAAGTC CCATTCTGCT GACTTCTTAC CTCAAATTTT GCTTTTTGAC TTTTATGCGA NAAATAAAAT	AAGCTTGTGA TTTCACTGCT GCNGTATTTT	AATGAACATT GTTTATAAAA	TGTGTATTTA TGTGTAATGA	AAANTTGAAT ATTCTAACAA	120 180
15	SEQ ID NO:1838 SEQUENCE LENGTH:268 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGS02088 SEQUENCE DESCRIPTION: GATCTCATTG TTTATTACC					
25	TTGTAAGCTC AGGTTCAAAG TGGAGAGAAT TGGAATGGGT TCACATCTTT AGTGTCTGAA GAAATAAAGC ATTTTTGGGA	GGCGGTAATT TATATCCAAA	GGTGATACTT	CTTTGAATGT	AGATTTCCAA	180
30	SEQ ID NO:1839 SEQUENCE LENGTH:265 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02089	acid				
35	SEQUENCE DESCRIPTION: GATCTATCTA AATATATAA GTTTGGAAGA TATTAACATA AATGCAATAT TGTATAATTC TTATAAAGTT TTAAAAATTA AAAATTTTTC CTTTTTATGA	ATGGGCATCT CTGGATGATG TCAATATGAG	TAGAATCATA CAATTGTTTT	AATCACATGA AATTGANTTT	AATGAGAGAC TCAAGTGCCA	180
40	AAATIIIC CIIIIIAIGA	UIAAA				200
45	SEQ ID NO:1840 SEQUENCE LENGTH:261 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02090 SEQUENCE DESCRIPTION:	acid				
	GATCATAAAA CCTTCATTCC	ATAGGTACCC	TTTATCCTCA	CAGATACAGA	GACACCAAGA	60

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AGAATCTGGA CAAATAGGAC TTGCTAAGTT CTCCACAGTT TATTACCATT AGATTATGTC 120

	CTTTTGTNCT CTGATTATAC TTCTGCATAA GACTGTACAT AAAANTACAC AAGTTTTCCT	
	ATTINITITI TGTCTTCATT TCTGAAGATT CCTGTCATGT AAAACTTACA GTAAATAAA?	ſ 240
	GTGTGTGCTT TTNTCAATAA A	261
5		
	SEQ ID NO:1841	
	SEQUENCE LENGTH: 263	
	SEQUENCE TYPE:nucleic acid	
10	TOPOLOGY: linear	
	CLONE: HUMGS02091	
	SEQUENCE DESCRIPTION:	
	GATCAGGTTA GGGCGAGCGC TACCTCTCCA GCCTCAGCTC TCAGTTGCAG CCCTGCTNAT	
	GCCTGCTTGG ACTTGGCCCC TGCCACCTCC NGCCTCAGGT GTCCGCTATC CACCAAAAGG	
15	GCTCCCTGAG GGTCTGGGCA AGGGACCTGC TTCTATTAGC CCTTCTCCAT GGCCCTGCCA	
	TGCTCTCCAA ACCACTTTTT GCAGCTTTTT CTAGTTCAAG TTCACCAGAC TCTATAAATA	240
	AAACCNGACA GACCATGAAC AAA	263
20	SEQ ID NO:1842	
	SEQUENCE LENGTH: 264	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGSO2092	
25	SEQUENCE DESCRIPTION:	
	GATCAGAAAG AAACCTTTTG TAGCAATATC AAGAATCTAG TTTCATCTGA GAACTTCTGA	
	TTAGCTCTCA GTCTTCAGCT CTATTTATCT TAGGAGTTTA ATTTGCCCTT CTCTCCCCAT	
	CTTCCCTCAG TTCCCATAAA ACCTTCATTA CACATAAAGA TACACGTGGG GGTCAGTGAA	
30	TCTGCTTNAN NATCCTGAAA GTTTCTGGGG CTTAAGATTC CAGACTCTGA TTCATTAAAC	240
	TATAGTCACC CGTGTCCTGT GAAA	264
	SEQ ID NO:1843	
	SEQUENCE LENGTH: 246	
35	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS02093	
	SEQUENCE DESCRIPTION:	
40	GATCAAATGT CACACAGCAG TTTCCTTGCA ACACTTTCAG CTCCCCATGC TCCAGAATAC	
	CCACCCAAGA AAATAATAGG CTTTAAAACA ATATCGGCTC CTCATCCAAA GAACAACTGC	
	TGATTGAAAC ACCTCATTAG CTGAGTGTAG AGAAGTGCAT CTTATGAAAC AGTCTTAGCA	
	GTGGTAGGTT GGGAAGGAGA TAGCTGCAAC CAAAAAAGAA ATANATATTC TATAAACCTT	240
	CAGAAA	246
45	070 TD NO 4044	
	SEQ ID NO:1844	
	SEQUENCE LENGTH: 243	
	SEQUENCE TYPE:nucleic acid	
50	TOPOLOGY: linear	
	CLONE: HUMGS02094	

	SEQUENCE DESCRIPTION:					
	GATCTGTGTG CATGTNTGTG	TTTGTGTATA	TATACATATC	TAGGGCTAGT	ACTTAGTTTC	60
	ACACCCGGGA GCTGGGAGAA					120
5	AGAAAAATCG CGCACTTGCG					
ŭ	NCCGGGAAAA TTTTNCTGTC					
	AAA					243
	000 tp 40 1045					
10	SEQ ID NO:1845					
	SEQUENCE LENGTH: 240					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS02095					
15	SEQUENCE DESCRIPTION: GATCTAGTGA ACATTCGACC	TCC TT CCC	ል ሮ ል ሮ ተጥጥሮ ሮ ሞ	A TOTTTO 10T	CTCCALATAT	en.
	ATCTGCTATT CTCCATACTC		= -			
	TCTAATGTTG AGTTATTAAT					
	ATTCAAAGGC ATTTCTTTTC					
20	ATTOMANUC ATTICITIE	Idexiditei	AAATAAAAA	CALLALIALI	IUCIUNUAAA	240
	SEQ ID NO:1846					
	SEQUENCE LENGTH: 239					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear					
23	CLONE: HUMGS02096					
	SEQUENCE DESCRIPTION:					
	GATCTAAGCA GCGTTCCCAC	AGCCCCCTCT	AGATTCTTGG	AGTTCCGCAG	AGCTTACTAT	60
	ACGCGGTCTG TCCTAATCTT	TGTGGTGTTC	GCTATCTCTT	GTGTCAAATC	TGGTGAACGC	120
30	TACGCTTACA TATATTGTCT	TTGTGCTGCT	GTNTGACAAA	CGCAATGCAA	AAACAATCCT	180
	CTTTCTCTCT CTTAATGCAT	GATACAGAAT	AATAATAAGA	NTTTCATCTT	TAAATGAAA	239
	SEQ ID NO:1847					
35	SEQUENCE LENGTH: 231					
33	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02097					
	SEQUENCE DESCRIPTION:					
40	GATCCATCCT CTCTCCTAGC	TGAGTAAATC	CGGGTCTCTA	GGATGCCAGA	GCAGCGCACA	60
	CAAGCTGGGA AATCCTCAGG	GCTCCTACCA	GCAGGACTGC	CTCGCTGCCC	CACCTCCCGC	120
	TCCTTGGCCT GTCCCCAGAT	TCCTTCCCTG	GTTGACTTGA	CTCATGCTTG	TTTCACTTTC	180
	ACATGGAATT TCCCAGTTAT	GAAATTAATA	AAAATCAATG	GTTTCCACAA	A	231
45	••• •• ·· · · · · · · · · · · · · · · ·					
	SEQ ID NO:1848	•				
	SEQUENCE LENGTH: 231	• •				
	SEQUENCE TYPE:nucleic	acid			•	
50	TOPOLOGY: linear					
	CLONE: HUMGS02098					

	SEQUENCE DESCRIPTION:					
	GATCCAAAAT GCTGACAGGT	TCAAACAAAA	TTGGAATTGA	AAATCAGAGT	GCGTTCAAGA	60
	GTATCAAACA ATACTATCTT	GTTACTTGCT	TATTACCTTA	GTAGACTGGA	AGCAACACTT	120
5	CACACAAAAA AAGGGTTTGG	ATGTAATTTC	GGATAAGAAG	AGATGTTTCT	GTAAAGTCTT	180
	TCCTGAGANG CATATTATTT					231

	SEQ ID NO:1849					
10	SEQUENCE LENGTH: 228					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02099					
	SEQUENCE DESCRIPTION:					
15	GATCTACCAT GTAAAATGTT	GTAGAGATAG	AGCCATATAA	CGTCACGTTT	CAAAACTAGC	60
	TCTACAGTTT TGCTTCTCCT	ATTAGCCATA	TGATAATTGG	GCTATGTAGT	ATCAATATTT	120
	ACTITAATCA CAAAGGATGG	TTTCTTGAAA	TAATTTGTAT	TGATTGAGGC	CTATGAACTG	180
	ACCTGAATTG GAAAGGATGT	GATTAATATA	AATAATAGCA	GATATAAA		228
20						
	SEQ ID NO:1850					
	SEQUENCE LENGTH: 236					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
25	CLONE: HUMGS02100					
	SEQUENCE DESCRIPTION:					
	GATCTACCGG CCCCGCTGGG	GTGCCCTTGG	GGACTACCTC	TCCTTCACCA	TACCCCTGGG	60
	CACCCCTGA CAACTTCTGC	ACATACTGGG	GCCCTGCTTA	TTNTCCCAGG	ACAGGCTCCT	120
30	TAAAGCAGAG GAGCCNGTNC	TGGGAGCCCC	TTCTCAAACT	CCTAAGACTT	GTTTTCATGT	180
	CCCACGTTCT CTGCTGACAT	CCCCCAATAA	AGGACCCTAA	CTTTNGGNNN	TNNAAA	236
	SEQ ID NO:1851					
	SEQUENCE LENGTH: 227			•		
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02101					-
	SEQUENCE DESCRIPTION:	0010015105	0770707071	C.L.C.L.T.C.T.L.T.	TC 1 TC 1 TCC 1	60
40	GATCTATGGT TTCTGCCTAC					
	AATGTTCTGG AACTAAATAG					
	CTGATTTGTA CGTATTTAAT				IIIAIUIAIA	227
	TTTNACCATA ATAAAAATAT	UCALIUUAAU	VIRCVIIIII	IUIUAAA		661
45	SEQ ID NO:1852					
70	SEQUENCE LENGTH: 229					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS 02102					
50	SEQUENCE DESCRIPTION-					

	GATCTTTGGA CCAGTTTCTA	GCAAAGTTGT	GTTTGAAAGA	TACTCTATTA	AAGAAGACTG	60
	TGGAATCTTT TTATCGGTGC	CCATTATATC	CTTAAGTTTG	GATATTTAGC	TGACCTTCGC	120
5	TTTAACATAG GTCTAATTTA	TTTGCCGTGT	CATTTTCCAT	ACAAATCAGT	TGATTTAAAA	180
	AAGTTCATTT CTCATACTGT	GCATTAAAAT	AAAAATTTGA	ACAATTAAA		229
	SEQ ID NO:1853					
	SEQUENCE LENGTH: 224					
10	SEQUENCE TYPE:nucleic	acid				
•	TOPOLOGY: linear					
	CLONE: HUNGS02103					
	SEQUENCE DESCRIPTION:					
15	GATCTCCTGT TTTTTTCAGG	CTCCTAAAGT	AACATCAGCC	ATNTTTNAGA	TTGGTTCTGT	60
13	TTTCGTACCT TCCCACTGGC					120
	TTCTCCTAAT TCTGCAGGTG					
	ATTTTTGTGA GCCTCTTTGT					224
*		-				
20	SEQ ID NO:1854					
	SEQUENCE LENGTH: 223					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
25	CLONE: HUMGS02104		-			
25	SEQUENCE DESCRIPTION:					
	GATCAAGGCC GGACCCCACT	GCCCCACTGC	CCAACTGATA	GCCACGCTGA	NNGAATGGAA	60
	GGAAAATTTG CTTGGACCTG					
	AGAGTTAGCT ACTAGCTGCC					
30	AGTTTCAATC TAACTGTGAA					223
	SEQ ID NO:1855				•	
	SEQUENCE LENGTH: 227					
05	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear					
	CLONE: HUMGS02105					
	SEQUENCE DESCRIPTION:					
	GATCCTAGTA ATTGCCTAGA	AATATCTTTC	TCTTACCTGT	TATTTATCAA	TTTTTCCCAG	60
40	TATTTTTATA CGGAAAAAAT					
	TGGTATAATT ATGGTGGGTG					
	GGAAAGACAA CTGTTTTAAT					227
	delibrioriori Vidillinii					
45	SEQ ID NO:1856					
45	SEQUENCE LENGTH:219				•	
	SEQUENCE TYPE:nucleic	acid				
•	TOPOLOGY: linear					
	CLONE: HUMGS02106					
50	SEQUENCE DESCRIPTION:					
	GATCTATACA AAGTCTTTGA		ATATGGTTAT	TTATGCACTG	TGGGATGTGT	60

	TCTTCTTTCT CTGTATTCC	G ATACAAAGTG	TTGTATCAAA	GTGTGATATA	CAANGTGTAC	120
	CAACATAAGT GTTGGTAGC	A CNTAAGACTT	ATACTTGCCT	TCTGATAGTA	TTCCTTTATA	180
	CACAGTGGAT TGATTATAA	A TAAATAGATG	TGTCTTAAA			219
5						
	SEQ ID NO:1857					
	SEQUENCE LENGTH: 219					
	SEQUENCE TYPE: nuclei	c acid				
10	TOPOLOGY: linear					
70	CLONE: HUMGS02107					
	SEQUENCE DESCRIPTION	:				
	GATCAAGAAA GACAAAAAG	C CAGCCTGCAG	CAAGCACTTT	GGAGAGCAAA	TCTGNAAAGA	60
	GAGTAACGCG GAGTGTCAA	G AGGTGTGCAG	AAAATCCAAA	${\tt GAAGGCTGAG}$	GACAATGTGT	120
15	GTGTCAAGAA AATAAGAAC	C AGAAGTCATA	GGGACAGTGA	AGATATTTGA	CAGAAAAATC	180
	GAACTGGGAA AAATATAAT	A AAGTTAGTTT	TGTGATAAA			219
	SEQ ID NO:1858					
20	SEQUENCE LENGTH: 219					
20	SEQUENCE TYPE:nuclei	c acid				
•	TOPOLOGY: linear					
	CLONE: HUMGS02108					
	SEQUENCE DESCRIPTION	:				
25	GATCTGTCGG AACCAGGAC					
	AAGCGCAGGA GAGCCTGCG					
	TTTTGGTTTT GGGGTTTTT			CGTACAGGGT	ACTTTTTCCC	
	AACCTCATCT NTCAGAAAT	C CATGTGGGNT	TCCTGGAAA			219
30						
	SEQ ID NO:1859					
	SEQUENCE LENGTH: 217					
	SEQUENCE TYPE:nuclei	c acid				
05	TOPOLOGY:linear					
35	CLONE: HUMGSO2110		•			
	SEQUENCE DESCRIPTION GATCTGAAGA AATTACCAA		4 C 4 W 4 A 4 TTT	CCCCTAATCA	TCCAATTCCC	60
	AAGACGTGCA AGAGGAAAA					• •
	AACGATGAAT CAAGTGATT					
40	GAATTGAAAA TAAATAATT			10000111111	41011011011	217
		1 ununuoiton	10111111111			
	SEQ ID NO:1860					
	SEQUENCE LENGTH: 216					
45	SEQUENCE TYPE:nuclei	c acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02111					
	SEQUENCE DESCRIPTION	l:				
	GATCCATTTC TTTAAAATA	C TGACATATAG	AGTTGTACCT	TATATAGAAT	ATAGTTGTAT	60
50	CTTGAAGTCA ACATATTAA					

	TTTCAAAGAA AAATTACCGT			ACTAAATAGG	ATGTGATTCA	
	GCTACATTAA TTTCTTAATA	CAATCTAGGA	AAGAAA			216
5	SEQ ID NO:1861					
	SEQUENCE LENGTH: 213					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
10	CLONE: HUMGS02112					
	SEQUENCE DESCRIPTION:					
	GATCCTTTTC TTGAAAGAAT					•••
	CAAGCTACTG GCACATAGTG TTAGTATNGT AATTAAATGT			•		
15	TGTNGCAAAA TATATCACTT			AIIAIIIAAA	IIACAGIAIA	213
	TOTALCALAR TATATORUTT	TTUNTAUNAT	nnn			213
	SEQ ID NO:1862					
	SEQUENCE LENGTH:210					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGSO2113					
	SEQUENCE DESCRIPTION:	ACLATOLICA	ጥ ስ ጥጥጥጥ ለ ጦ ለ ጦ	T1C1111C11	CALATOCOCO	co
25	GATCTATCTC ATCAAACAAC GGAATAAACT TTTGAAACAC					
	TGGATTCACC ATCTGTTGAG					
	AAGCCAGCAT TTGTATTTTG		0.0	41111111111		210
30	SEQ ID NO:1863					
	SEQUENCE LENGTH: 209					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGSO2115 SEQUENCE DESCRIPTION:					
	GATCGGGGCT GCCAGAGGGN	TAGAAGCGAG	GGCACCAGCA	CTTCTCCCTC	GGGAGCAANG	60
	GAAGAGAAA ACTCTTCAGC					
	ATTTTATGCC ATAAAAGACC					
40	AATTATAATA AAGCCCCAAA	ATTAAGAAA				209
	SEQ ID NO:1864					
	SEQUENCE LENGTH: 208 SEQUENCE TYPE: nucleic					
45	TOPOLOGY: linear	acio				
	CLONE: HUMGSO2116					
	SEQUENCE DESCRIPTION:					
	GATCTGGAGC AACAGCTAGG	AAATATCATT	AATTCTGCTC	TTCAGAGATG	TTAAAAATAA	60
50	ATTACACGTG GGAGCTTTCC	AAAGAAATGG	AAATTGATGG	GAAATTATTT	GTCAAGCAAA	120
	TGTTTAAAAT CCAAATGAGA	ACTAAATAAA	GTGTTGAACA	TCAACTGGGG	AATTGAAGCC	180

	AATAAACCTT CCTTCTTAAC	CATTCAAA				208
5	SEQ ID NO:1865 SEQUENCE LENGTH:201 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS02117 SEQUENCE DESCRIPTION: GATCTATACT TAGAATGCAA AGACAAAGCA AACAAACAAC GAAGCNAAAG CAACGTTTGC CCAATTTATA CGTGCAATAA	TGGAAGTGGT CATNNGATAT	AATCAATTCA	ACAGGCCTTC	TGAATTNTCT	120 180
15	CCAATTIATA CUTUCAATAA	А				201
15	SEQ ID NO:1866 SEQUENCE LENGTH:200 SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear CLONE:HUMGSO2118 SEQUENCE DESCRIPTION: GATCATGAAG GTATCCACAC	TTCCCCTTGC	ATTTCCTTCT	TAACTCTCTG	TTACACGTCA	60
25	TTGAAACTAC ACTTTTTTGG CCTTTGTCTG TCTCATCTCT AAATACATGT TAAATGGAAA					
30	SEQ ID NO:1867 SEQUENCE LENGTH:202 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02119	acid				
35	SEQUENCE DESCRIPTION: GATCACATTT TGAAATGCCT AAAATAGCTC TTTTATGAAT CATCTAAAAN CTTTCTGTTT AAATAAGCTT AANGGCACCA	TAGCTGATAA NCTGGGGTCT	GGCTGTATGT	TTCTGGAACA	AAATATTGGT	120
40	SEQ ID NO:1868 SEQUENCE LENGTH:200 SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear CLONE:HUMGS02120 SEQUENCE DESCRIPTION: GATCAGGCCC TTCTTCCCAC GTGACAACAT TTTTGTACAT				-	
50	AAACTCTCAA GCAGACGTGA AATAGCACAT GATTTTCAAA	GTGTGACTTT				

5	SEQ ID NO:1869 SEQUENCE LENGTH:194 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2121	acid				
10	SEQUENCE DESCRIPTION: GATCHNING TICATTGTAT GTATAATTAA TAATTGTCTA GGTCTCCACA GAGTTTATGC TGGTGANGCA TAAA	GGGGGGAAAA	ATGAAGCAAA	TNTCATTGGA	TATTTTTAAA	120
15	SEQ ID NO:1870 SEQUENCE LENGTH:190 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGSO2122	acid				
20	SEQUENCE DESCRIPTION: GATCCAATAC TATTTAGTTT TTGTTTACAT GTTACTTTGA TTGTACTNAN TTTTTAAATC ATTTCATAAA	GATGCTAGGT	ATTTGTGGAA	TTAAAAAGAA	TCAGGCTCTT	
25	SEQ ID NO:1871 SEQUENCE LENGTH:188 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE: HUMGSO2123 SEQUENCE DESCRIPTION: GATCGAACAG TTTTGAAGCT GCTGTACATC TATTTTGGAT					
35	AACTTCTTAT GGAATTNATT AGAGCAAA SEQ ID NO:1872					
40	SEQUENCE LENGTH: 184 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS02124 SEQUENCE DESCRIPTION:	acid				
45	GATCCTATTT ATTTGTTTAG TTAGAGATTT TCCATGTCNT TNTATTATAA TCCTNNGATG NNNN	TTGTTAAGTT	TATTCCTAGG	TATTTTATTT	TTTATGGTAT	120

	SEQ ID NO:1873 SEQUENCE LENGTH:181					
5	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS02126 SEQUENCE DESCRIPTION:					
	GATCCAAGTN CTGACTTTTC					
10	CAAATGAGCC CCAGTCATTG AGATAACAAA ATGTTTATAC					
	.A	CONTINUANC	NUNUNIINA	INUMNCINCA	TITCTTOCAA	181
	SEQ ID NO:1874					
15	SEQUENCE LENGTH: 181 SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	00.4				
	CLONE: HUMGS02127					
20	SEQUENCE DESCRIPTION: GATCTTAAAT TTTCTCATCT	CAAAAAAATA	TGTAAAGTGA	TAGATATGTT	AAATAGCTNN	60
	TATGTATTTC GCAATGTGTA					
	TTTAATTTTT GTCAATTACT	CTTTAAACCT	TAATAAAGTT	GATAAAACAT	TCTTTTTTAA	
25	A					181
	SEQ ID NO:1875					
	SEQUENCE LENGTH: 179 SEQUENCE TYPE: nucleic	aaid				
	TOPOLOGY: linear	aciu				
30	CLONE: HUMGS02128					
	SEQUENCE DESCRIPTION: GATCAGGTTA GCAAATGATG	TALLACALCE	ተተ ጥ ለ ጥጥ ርጥር ጥ	አር ጥ ቸርጥ ጥ ጥጥ	*********	er
	GACAAAGGCA AGTTTCCCTA					
35	AAAAGGCAAG GCACAACAAA					
	SEQ ID NO:1876					
	SEQUENCE LENGTH: 178	• •				
40	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS02129					
	SEQUENCE DESCRIPTION:					
45	GATCCGGGAG CACACCGTTT CCGCAGTGAG AGAGTGGCTG					
45	GCCAGCTCCG CGCCAGGATG					178
	SEQ ID NO:1877					
50	SEQUENCE LENGTH: 175 SEQUENCE TYPE: nucleic					
	SEMORUCE LILETURGIEIC	acid				

	TOPOLOGY: linear	
	CLONE: HUMGS02130	
	SEQUENCE DESCRIPTION:	
5	GATCATTCTC CGAAAGCAAC TCCTGACAAT TAAGCATTTT TTTCTCCAAA TACAAAGTAT	
	ATTCTCTTTA TTGGAAAATA AATTAATAAA TATATTCTGT ATTTTNNCTC TCCGTGAAAA	120
	ACAAAAGAGC CTCTGACATT ACTGTCTCTC AGTGTTGGTT CAGATTGAGG CTTTN	175
	SEQ ID NO:1878	
10	SEQUENCE LENGTH: 172	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUNGS02131	
15	SEQUENCE DESCRIPTION:	
	GATCAATCCT TCTTATGTTT GCTTTAATGT GTATTGAAGA AAAGCACTTT TTAAAAAGTA	60
	CTCTTTAAGA GTGAAATAAT TAAAAACCAC TGAACATTTG CTTTGTTTTC TAAAGTTGTT	120
	CACATATATG TAATTTAGCA GTCCAAAGAA CAAGAAATTG TTTCTTTTCA AA	172
20	SEQ ID NO:1879	
	SEQUENCE LENGTH: 170	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
25	CLONE: HUMGS02132	
20	SEQUENCE DESCRIPTION:	
	GATCTGATTG TTTAAAAGTA CACAGCACCT CCCTCCCCAC TCTCTCTTGC TCCTGCTTTC	60
	ATCAAGTGAA AACTCCCTGA GGCCTCCTCA GAAGCTGAGT AGAGGCCAGC ACTATGCTTC	120
	CTGTACAGCC TGTGGAACCA TGAGGCAATT AAACCTCTTT TCTTTATAAA	170
30		
	SEQ ID NO:1880	
	SEQUENCE LENGTH: 168	
	SEQUENCE TYPE:nucleic acid	
35	TOPOLOGY:linear	
	CLONE: HUMGS02133	
	SEQUENCE DESCRIPTION:	
	GATCAGAAAA ATTCATCTTT TTTAACCCTG CCCTAATTTT TCTTGAGGAA TTAAATAGAG	60
40	CAAACTATTT TCAGGTTATG CTTACAATAA AATATACTTA AGAAAATGAC TGAAGATGTA	
40	TGTTTTTGAA TGTTTTGATT AAATAAATGT ACACATTTAG AACACAAA	168
	SEQ ID NO:1881	
	SEQUENCE LENGTH: 168	
45	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGSO2134	
	SEQUENCE DESCRIPTION:	
50	GATCAGCCTC CCTGTAAGCC AGTTATCAGT ATCCAAGTGC TTTAACACAG GCTTCTCAGA	
50	AGAAATCATT TTTATTCCTA CCATTATTTC ATACCAAAGC ATCATTATGT GCTACAGTTC	120

	CAATTTCTTA CACAAGAATG	AAAAGGGTTA	CCAATGCAGC	AAGTTAAA		168
5	SEQ ID NO:1882					
	SEQUENCE LENGTH: 167					
	SEQUENCE TYPE: nucleic a	acid				
	TOPOLOGY:linear					
40	CLONE: HUMGS02135					
10	SEQUENCE DESCRIPTION:					
	GATCTTACTG TAAGTTGAAG					60
	GCTGTTGGGT TTGACTGACT (GGCTATTGAA	120
	TGCAACTTAC AATGCTTAGG 1	TAAAAATCTT	TATNCTTTTA	GTATAAA		167
15	CCO ID NO. 1000					
	SEQ ID NO:1883 SEQUENCE LENGTH:165					
	SEQUENCE TYPE:nucleic a	naid				
	TOPOLOGY: linear	aciu				
20	CLONE: HUMGS02136					
	SEQUENCE DESCRIPTION:					
	GATCCTTGAT GAGCCAACAT T	CCACTGTGG	ATACATATCT	ATGTTTACGC	GCTATTAGAA	60
	CAGAAGGCGC TGTATATAGA A					
25	CAGNATCTGT ATTTGGAAAA A					165
	SEQ ID NO:1884					
	SEQUENCE LENGTH: 168					
	SEQUENCE TYPE:nucleic a	ecid				
30	TOPOLOGY:linear					
	CLONE: HUMGS02137					
	SEQUENCE DESCRIPTION:					
	GATCTGACCT CCACGGAGCC G	CTGTCCCCG	NCCCCCTTGC	TTCCCGTCTG	TCTGTCCTGT	60
35	CTGATTCTNT TAGGTGTCAT G	TTCTTTTTT	CTGTCTTGTC	TTCAACTTTT	TTTAAAACTA	120
	GATTGCTTTG AAAACATGAC T	CAATAAAAG	TTTCCTGNCC	AATTTAAA		168
	SEQ ID NO:1885					
	SEQUENCE LENGTH: 163					
40	SEQUENCE TYPE: nucleic a	ıcid				
	TOPOLOGY: linear					
	CLONE: HUMGS 02138					
	SEQUENCE DESCRIPTION:					
45	GATCACGATG GCTTCACAAG C					
	TCCCTGCGTG TATACTGTCT G					
	TGTACACTAC AGCTAATCCT A	ATAAATCCG	ATGTTTTCGG	AAA		163
	SEQ ID NO:1886				•	
50	SEQUENCE LENGTH: 159					
	SEQUENCE TYPE: nucleic a	icid				

	TOPOLOGY:linear CLONE:HUMGS02139					
	SEQUENCE DESCRIPTION: GATCTAGCAG CATGCAAACA	CATCACCTAA	ACTACAAAAG	AAAGGTCCTC	ACTGTCTCTA	60
	AAAAATAAAC TCATTAACTT					
	AAAGAGTCAG AAAATAAAAC				000010111	159
10	SEQ ID NO:1887					
70	SEQUENCE LENGTH: 154					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02140					
	SEQUENCE DESCRIPTION:					
	GATCATGGAG GAAAAAGGTA					
	AAACCAAAAT ACATGTATTA			TTTTAATCTT	TTCTNTTTAA	
	ACAAGGACTC ATACTTAAAA	AAATGTTTAG	CAAA			154
20	SEQ ID NO:1888					
	SEQUENCE LENGTH: 151					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
25	CLONE: HUMGS02141					
	SEQUENCE DESCRIPTION:					
f	GATCTCTGAT GACCTAACCT	AAGCAAAACC	ACTGAGCTTC	TGGGAAGACA	ACTAGGATAC	60
•	TTTCTACTTT TTCTAGCTAC	AATATCTTCA	TACAATGACA	${\tt AGTATGATGA}$	TTTGCTATCA	120
30	AAATAAATTG AAATATAATG	CAAACCATAA	A			151
	SEQ ID NO:1889					
	SEQUENCE LENGTH: 150					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS02142					
	SEQUENCE DESCRIPTION:					
	GATCTATATT CTTCTTAATT	TTTATGGCTA	TATTTAATGT	TTTCCATCAT	TGTGCCTTTA	60
	AAAAGTATAT GTACATGTAT					
40	CCAGATTAAA GTTTATCTTT					150
	SEQ ID NO:1890					
	SEQUENCE LENGTH: 149					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02143					
	SEQUENCE DESCRIPTION:	*****	TT 4 TO 4 TTTO	TAAACTIACA	ATA A A CO. C	60
50	GATCAAAAAT ATGTGACCTT					60

	TAATAAATAA CATCTATTGA G	TNCTTAAA	149
5	SEQ ID NO:1891 SEQUENCE LENGTH:148 SEQUENCE TYPE:nucleic action of the company of	cid	
10		GANCTGCTC CGCCAGGANA GTGAGCGTGT AGGTNCCTGA 1	60 20 48
15	SEQ ID NO:1892 SEQUENCE LENGTH:147 SEQUENCE TYPE:nucleic ac	cid	
20		ICTGCTCAG TGTCTACTAA CGACCGACAT TTGCTAATGT AATTCTAAT TCTTTTACAC AGTCTGTTTT TAATCTATTT 1	60 20
	TAATTAAATA AAATCTATGA CT	TCTAAA 1	47
25	SEQ ID NO:1893 SEQUENCE LENGTH:146 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear	ei d	
30	CLONE: HUNGSO2146 SEQUENCE DESCRIPTION: GATCTGGGAG TAAACTTAAC AT	TTCACTGTG TCTCTGCTCT GCATCCGCCA TTTGTGTGTG G	
35	CCAAAGATAC TGTGAATNTT CT SEQ ID NO:1894		46
40	SEQUENCE LENGTH:144 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUMGSO2147 SEQUENCE DESCRIPTION:	cid .	
45	GATCTAAATG TCTAGTTTTG TA	GGGGTTTGT GCTATACACT GGGATGTCTA ATTGCAGCAA 1	60 20 44
	SEQ ID NO:1895 SEQUENCE LENGTH:141		
50	SEQUENCE LENGIN. 141 SEQUENCE TYPE: pucloic ac	aid.	

5	TOPOLOGY:linear CLONE:HUMGSO2148 SEQUENCE-DESCRIPTION: GATCTTGGAA ATGCTTGAAG AGAGCTCCAC AGAAGACACG TCTGGTCAAT GTCAAANNAA	TGTTTTTGTA			60 120 141
10	SEQ ID NO:1896 SEQUENCE LENGTH:142 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
	CLONE: HUMGSO2149 SEQUENCE DESCRIPTION: GATCCAGATA AACTTTCCTG TCTGTGCTGT TCCTGTGAAT TTAAAAAGAG AGAAAGAGGA	CTCCAAATTT			60 120 142
20	,				
. 25	SEQ ID NO:1897 SEQUENCE LENGTH:133 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid	,		
30	CLONE:HUMGSO2150 SEQUENCE DESCRIPTION: GATCAAAGTG TGGGATGNGC CCTTCCTTAT TTATTCCTGC TTTGTTTTCC AAA				60 120 133
		•			100
35	SEQ ID NO:1898 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2151 SEQUENCE DESCRIPTION:	acid			
40	GATCTAAGTT GCATCTTTAA TTCTATTAAG ATATATTTGT CAGTAACAAA				60 120 130
45	SEQ ID NO:1899 SEQUENCE LENGTH:247 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2152 SEQUENCE DESCRIPTION:	acid			
50	GATCGAGGAG ATGCCCTCTG				60

	CCTCCCACNN CCGCTGGGAG TGTCCGCTTT NATGAACACA TGTCAAA				
5	SEQ ID NO:1900				
10	SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02153	acid			
15	SEQUENCE DESCRIPTION: GATCTTCCTG CTACCCTCTT TCAAATCTAA AATTGGCAAA TAAAATAACA AA				
	SEQ ID NO:1901 SEQUENCE LENGTH:128			,	
20	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02154 SEQUENCE DESCRIPTION:	acid			
25	GATCTACAGG TTNCAATTCA GCATTATAAG CATTTGAGTC AATTGAAA		-		
30	SEQ ID NO:1902 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02155	acid			
35	SEQUENCE DESCRIPTION: GATCCATGAG TTTGCCCTGG TCACAGCTCT GTGTTGCCAT TTTCAGGGGA AA				
40	SEQ ID NO:1903 SEQUENCE LENGTH:128 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2156	acid			
45	SEQUENCE DESCRIPTION: GATCCAAGAC AGAATAATGA GNCGTTGAGG ACTTTTCGAC AACGGAAA				
50	SEQ ID NO:1904				

5	SEQUENCE LENGTH:126 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02157					
10	SEQUENCE DESCRIPTION: GATCCACAGG GGTGGTGTCA TTTGATAAAT AAACATGTAA CTTAAA	AATGCTATTG				60 120 126
15	SEQ ID NO:1905 SEQUENCE LENGTH:122 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02158 SEQUENCE DESCRIPTION:	acid				
20	GATCTACAGA TGAATATTTA TTACAACCAG ATTATATTCT AA					
25	SEQ ID NO:1906 SEQUENCE LENGTH:121 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02159 SEQUENCE DESCRIPTION: GATCTCATGG ATACAAACAG	GTGACCTTGC				60
	GAACAGTAGT AACCTTGCTC A SEQ ID NO:1907 SEQUENCE LENGTH:119	CCTGGNTACC	AATAAAAAAT	CTATTATTTT	TTTAAAAGAA	120
35	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02160 SEQUENCE DESCRIPTION:	acid				
40	GATCTGACCC CTGTCAGATG GGGTATAGGT TTGAAAGGCT					60 119
45	SEQ ID NO:1908 SEQUENCE LENGTH:121 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02161 SEQUENCE DESCRIPTION:	acid			,	
50	GATCCCAGCT GGCCCCTATG	TTGTGTTCTG	NGACTGAGGC	CTTTGCTGTG	AACTGCAGTG	60

	TTTCATACGA ACCATCTTTC	CTAGTGCATG	AGAAATAAAG	ATTATTTAAG	TAATGAGGAA	120 121
	SEQ ID NO:1909 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2162	acid				
	SEQUENCE DESCRIPTION: GATCTCACTT TTCAGGAAAC GCTATGCAAG TCTTTTATAT					60 116
15	SEQ ID NO:1910 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS02163 SEQUENCE DESCRIPTION: GATCGATATG CTCATAAAAG CAAGACGTAT ATTATTTTAC					60 116
25	SEQ ID NO:1911 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE:HUMGSO2164 SEQUENCE DESCRIPTION: GATCCGGGCA TGGGAGACCC ACAATGTACT CTTTTACTTT CAAA					
35	SEQ ID NO:1912 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic	acid				123
40	TOPOLOGY:linear CLONE:HUMGSO2165 SEQUENCE DESCRIPTION: GATCCACTTC TACTTAATGA	GTAGTAAATA	TATTTCNTTT	TCCTTATGAT	ТТТСТТАСТА	60
45	TTTNCTTTAG CTTGCTTTAT					115
	SEQ ID NO:1913 SEQUENCE LENGTH:112 SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY:linear CLONE:HUMGSO2166					

	SEQUENCE DESCRIPTION:					
	GATCCAGAAA TTGTGAACAA CATCTTTTAC AAATCTGTCT					60 112
5				Jooililaan	AA.	112
	SEQ ID NO:1914					
	SEQUENCE LENGTH: 112					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear					
10	CLONE: HUMGS02167					
	SEQUENCE DESCRIPTION:					
	GATCCTAATT GCCTAGAAAT					60
	TTTTATACGG AAAAAATTGT	ATTGAAAACA	CTTAGTATGC	AGTTGANNN	GN	112
15						
	SEQ ID NO:1915					
	SEQUENCE LENGTH: 112					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGS02168					
	SEQUENCE DESCRIPTION:					
	GATCAACCGT GAAGCGTAAC	AAATTCTGTA	TTTAGTTTTT	TTTTCTCTTC	ፐርርፐርርፐጥፕፕ	60
	TGTTTTGTTT TTTGTTTTTG					112
25						
	SEQ ID NO:1916					
	SEQUENCE LENGTH: 112					
	SEQUENCE TYPE: nucleic	acid				
30	TOPOLOGY:linear					
30	CLONE: HUMGS02169					
	SEQUENCE DESCRIPTION:	-				
	GATCAAGACT NCAGTTTGGG					60
	TGGGGAAAAT CTCNCCNTNT	TTAAAAAGTG	ATAAATTTGG	TGTTAGGTCA	AA	112
35	SEQ ID NO:1917					
	SEQUENCE LENGTH: 112					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	40.4				
40	CLONE: HUMGS02170					
	SEQUENCE DESCRIPTION:					
	GATCAACGCG ACTGTATTTT	GAAACATTCC	AGGAAGGTTA	CTTCTTGTCA	AACTTGCCTG	60
	GCAGTGTTTG TTCAAANCTT	GTATTTAATA	AATGANCATC	TGACTTTACA	AA	112
45						
	SEQ ID NO:1918					
	SEQUENCE LENGTH: 162					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear CLONE: HUNGS 02171					
	CLUME : NUNUSUZITI					

	SEQUENCE DESCRIPTION:					
	GATCTATCTT AAGAAGTGAC	CAGGAAAGAG	GTTCATTGAA	ATAATCATGC	ATGAAGCGCC	60
	AAAGATGCAC CATGTAGAAT					120
5	AATATTTAAG AATCTAAAAA					162
	SEQ ID NO:1919					
	SEQUENCE LENGTH: 111					
_	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear	•				
	CLONE: HUMGS02172					
	SEQUENCE DESCRIPTION:				•	
	GATCAGGGAA CTAAGCATTA	TGTGAATTCA	CCAGCAAGAT	GTACAGNACG	CCTGTNTTTA	60
15	CATTGTTTTT ATGGAACTAG					111
	SEQ ID NO:1920					
	SEQUENCE LENGTH: 275					
	SEQUENCE TYPE: nucleic					
20	TOPOLOGY: linear	acid				
	CLONE: HUMGS02173					
	SEQUENCE DESCRIPTION:					
	GATCTGCGAG GAAGCCGCCT	ACTCCAACCC	CACCCTACCT	NTCCTCCACA	NATCCCTCCC	co
25	ATAGCAAAGC CCCTGCACAG					
25	GGAAGCGCCT CATCTCCTCG					
	CCTCCTGCAC TGGCCTTGGA					
	AGTGCACAGA CATAGAGGCA			VIVVVIVVO		275
	nordonoman onthanagon	ONUNI I UUNU	IUAAA			210
30	SEQ ID NO:1921					
	SEQUENCE LENGTH: 114					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS02174					
	SEQUENCE DESCRIPTION:					
	GATCAGGACA GAGACTTGGG	GGCCATCCTG	CCCCTCCAAC	CCGGACATGT	GTACCTCAGC	60
	TTTTTCCCTC ACGTTGCATC					114
40						
40	SEQ ID NO:1922					
	SEQUENCE LENGTH: 108					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
45	CLONE: HUMGS02175					
	SEQUENCE DESCRIPTION:					
	GATCCCAAGC NTCCCGTCCC					
	GCCCAGCCTA GCCCACTTGT	CATCCATAAA	GCAAGCTCAA	CCTTGAAA		108
50	SEQ ID NO:1923					

5	SEQUENCE LENGTH: 272 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS02176 SEQUENCE DESCRIPTION:	acid				
10	GATCCCCCAG GTTCAGACTG TCTAGCCTGA NTNCTTTNCA GCTTTCCTGA GGACTCAAGG ATGAGNACCT ANNNGGTGTA ATAGTAACAA TAAATAATTG	ATAAAAAATA TGCCAAGATG TGGAGCTCTA	CAATTCAAGT GAGGGGCTGA ACCCATGGGT	TGCTTCTCAT CTCAGTCCAG	GGATGGCACT CCAACNTTTA	120 180
15	SEQ ID NO:1924 SEQUENCE LENGTH:109 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02177	acid				
20	SEQUENCE DESCRIPTION: GATCTGACGT TTTCTACGTA GAAGCCCTGC CATNCCCCTC				GAACACTTAT	60 109
25	SEQ ID NO:1925 SEQUENCE LENGTH:104 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2178	acid				
30	SEQUENCE DESCRIPTION: GATCAACTTG TGCTTGCCAG TTGTTTCTGT TCCTCATTAA				ATCAGAGATT	60 104
35	SEQ ID NO:1926 SEQUENCE LENGTH:104 · SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2179	acid [.]				
40	SEQUENCE DESCRIPTION: GATCGTGTGT GTAGGTGGTG TGTAGCTTGT TTTATAAAAA				GGAAACTATN	60 104
45	SEQ ID NO:1927 SEQUENCE LENGTH:103 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02180 SEQUENCE DESCRIPTION:	acid				
50	GATCCTCCCA CTTCCACCTC	CCAAGTAGCT	GTGGCTACAG	CTCTCTCCC4	CCATGTCCAG	60

	CTGATTTTNG TATTTTNAGT	AGGGACAGTA	TTTCTCCATG	AAA		103
5	SEQ ID NO:1928 SEQUENCE LENGTH:106 SEQUENCE TYPE:pucleic	acid				
10	TOPOLOGY:linear CLONE:HUMGSO2181 SEQUENCE DESCRIPTION:					
	GATCTAAATC TCATTTTATG (TTTTGGAAAC ACATCAAAAT A				ACGTTTTGAT	60 106
15	SEQ ID NO:1929 SEQUENCE LENGTH:272 SEQUENCE TYPE:nucleic a	acid				
20	TOPOLOGY: linear CLONE: HUMGSO2182 SEQUENCE DESCRIPTION:					
	GATCTGGACG AATGATACCA ATGATTGTNTT GTGTCTTGCA 1 ATCTGAAATA CCTGAGATGC A	AAAAAAAT1	AAATTTGAGA	GTGGTAGAAT	TACTTCTGTT	120
25	GTATCTNATT TACTGTTAGT A	ATCCGTTGCA	TCTAGTGTGG			
	SEQ ID NO:1930 SEQUENCE LENGTH:171					
30	SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUMGSO2183	acid				
35	SEQUENCE DESCRIPTION: GATCTACAGC TCCTGGATAA 1	TTGCTTGATT	CTCGCCAGAG	ACTGTCAATA	TTTNATTCAT	60
	TGCCATTACC AATAAATCAT 1 TCTTGACACA TGCAATTGTA A					120 171
40	SEQ ID NO:1931 SEQUENCE LENGTH:99 SEQUENCE TYPE:nucleic a	acid				
	TOPOLOGY: linear CLONE: HUMGSO2184	aciu				
45	SEQUENCE DESCRIPTION: GATCATACCA CTGCACTCTA (ATAAAAATAA ATAAAATAAA A			CCCTGTCTTG	AAAAAAATAA	60 99
50	SEQ ID NO:1932 SEQUENCE LENGTH:99					
	SEQUENCE TYPE: nucleic a	acid				

5	TOPOLOGY:linear CLONE:HUMGSO2185 SEQUENCE DESCRIPTION: GATCTGTGTC TTAAAACTTA CTGGAATGGA AATCTATGAA TTATTGCAAA TTGTAATGCT	60
5	GGAAACAAAA AATAAATCCT TGGTTAAAGG GTTTGTAAA	99
10	SEQ ID NO:1933 SEQUENCE LENGTH:99 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO2186	
15	SEQUENCE DESCRIPTION: GATCCTGACA CTCTANCACT CGACTCTGCT GCTCATGGGA AGAACAGAAT TNCTCCTGCA TGCAACTAAT TCAATAAAAC TGTCTTGTGA GCTGATAAA	60 99
20	SEQ ID NO:1934 SEQUENCE LENGTH:90 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02187	
25		60 90
30	SEQ ID NO:1935 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO2188 SEQUENCE DESCRIPTION:	
35	GATCAGGNTG CGGATAGACT TGTAAGGGTG TTTGCTGCAT ACAGTGTAAG CATTGTGACC	60 91
40	SEQ ID NO:1936 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO2189 SEQUENCE DESCRIPTION:	
45	GATCTTTCGT NTTTCTAAGC GACTCTACTT TCATTGTTTG CCAGCNTAGC TCGTTGCTGT TGCCCAATAA AGCTNGTGTA CGTNCTGCAA A	60 91
50	SEQ ID NO:1937 SEQUENCE LENGTH:86 SEQUENCE TYPE:nucleic acid	

5	TOPOLOGY:linear CLONE:HUMGSO2191 SEQUENCE DESCRIPTION: GATCTTACAT CTGCAGCTCT TTCTTCTTTG AATTTCCTAT CTGTATGTCT GCCTAATTAA AAAAATATAT ATTGTATTAT GCTAAA	60 86
10	SEQ ID NO:1938 SEQUENCE LENGTH:86 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO2192	
15	SEQUENCE DESCRIPTION: GATCATCAGT GTTCCTTTTT ACTTATAAAG TTGGATTCTT TTTTAGAATT TGTAATAAAT AAAAACTGCT GCTTTACCAC TGTAAA	60 86
20	SEQ ID NO:1939 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO2193	
25	SEQUENCE DESCRIPTION: GATCTACCCT GCCTGTACTA CTCTAGGGAG TATGCTGGAG GCAGAGGGCA AGGGAGGGGT GGTATTAAAC AAGTCAATTC TGTGTNGTAA A	60 91
30	SEQ ID NO:1940 SEQUENCE LENGTH:84 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO2194	
35	SEQUENCE DESCRIPTION: GATCATGAGT GACCCAGCTG TCTCACGTTG TTTATTCTGC GTCCCCTTCT CCAATAAAAC AAGCCAGTTG GGCGTNGTTA TAAA	60 84
40	SEQ ID NO:1941 SEQUENCE LENGTH:79 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO2195 SEQUENCE DESCRIPTION:	
45	SEQUENCE DESCRIPTION: GATCCCCATG CCTAGCAGAG TGCTGGCACT TAGTAGGTCC TCAATAAATA TTTATTAAAT GATGAGATGA TGGAGCAAA	60 79
50	SEQ ID NO:1942 SEQUENCE LENGTH:78 SEQUENCE TYPE puckein acid	-

5	TOPOLOGY:linear CLONE:HUMGS02196 SEQUENCE DESCRIPTION: GATCCAATCC CATAGACAGC TCTGGGCCTC TTGCATTTGA GTTTTTTAGA ATTAAACTGC AGTATTTTGG AAAGCAAA*	60 78
10	SEQ ID NO:1943 SEQUENCE LENGTH:77 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO2197	
15	SEQUENCE DESCRIPTION: GATCCACTAA GGAAATGTTT TAACAGCTAG AGACCACTGC TTGCCTGAAA GGGCGTTCTT AAATTTGGTG CAGCAAA	60 77
20	SEQ ID NO:1944 SEQUENCE LENGTH:76 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO2198	
25	SEQUENCE DESCRIPTION: GATCCACTTC AAGAATTGCT TGCTTTCAGG AAGAGAGATG TGTTTCAACA AGCCAACTAA AATATATTGC TGCAAA	60 76
30	SEQ ID NO:1945 SEQUENCE LENGTH:76 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO2199	
35	SEQUENCE DESCRIPTION: GATCGACTIT GTGTCTCTGT TGTCTAAAAT AGGTTTTCCC TGTTCTGGAC ATTTCATATA AATGGAATCA CACAAA	60 76
40	SEQ ID NO:1946 SEQUENCE LENGTH:75 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02200	
45	SEQUENCE DESCRIPTION: GATCATAGAT TTCTGATTTT ATGTAAAATT TTGCCTAATA CATTAAAGCA GTCACTTTTC CTGTGCTGTT TCAAA	60 75
50	SEQ ID NO:1947 SEQUENCE LENGTH:74 SEQUENCE TYPE:nucleic acid	

5	TOPOLOGY:linear CLONE:HUMGS02202 SEQUENCE DESCRIPTION: GATCTGTCAA AGAAAACTTC CAAAAAGATT TATTAATTAA ACCAGACTCT GTTGCAATAA AAATCCTACA GAAA	60 74
10	SEQ ID NO:1948 SEQUENCE LENGTH:73 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02203	
15	SEQUENCE DESCRIPTION: GATCCACTTT AGCAAACCCT GCTGCAGAGG ACTGTAAAAA CAAATAACTA AAAATAAACT TAGAAAATAC AAA	60 73
20	SEQ ID NO:1949 SEQUENCE LENGTH:73 SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY:linear CLONE:HUNGSO2204 SEQUENCE DESCRIPTION: GATCGTAATG TTTATCATGT TACTTCCCCA CCCCTACATT TTTTGAAATA AAATAAGGAA	60 73
30	TTTTATTCTC AAA SEQ ID NO:1950 SEQUENCE LENGTH:72 SEQUENCE TYPE:nucleic acid	,,
35	TOPOLOGY:linear CLONE:HUNGS02205 SEQUENCE DESCRIPTION: GATCNCTGCA ACTAAGNTTA AAGCAGTGTG ACTGTGTTGC TNAAATATCA AGTATTGTTT ATAACCACCA AA	60 72
40	SEQ ID NO:1951 SEQUENCE LENGTH:66 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02206	
45	SEQUENCE DESCRIPTION: GATCTCAGCT ATTAAGATGC AAGTCTGCCA ATGCTCCTGG CCAAATAAAC CTCTTCCTTC TTTAAA	60 66
	SEQ ID NO:1952 SEQUENCE LENGTH:65	
50	CROHENCE TYPE walais said	

5	TOPOLOGY:linear CLONE:HUMGSO2207 SEQUENCE DESCRIPTION: GATCCTCTTG TACTGGGAGA TGAAA	GGTGCCTTTT	GTATCCCCAA	TTAAAGGTAG	AAAACCACCC	60 65
10	SEQ ID NO:1953 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02208	acid				
. 15	SEQUENCE DESCRIPTION: GATCTCGAAG AAAAAAGGGG AA	GAGACCAAAG	AATAAAAGAA	GGGTTTCCCC	ACTAAAATGA	60 62
20	SEQ ID NO:1954 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02209	acid				
25	SEQUENCE DESCRIPTION: GATCCAGCTG TNCTTAAGAG AA	CCAGTAATGT	CTTAATAAAC	ATGTGGCAGC	TTTNNTTTGA	60 62
30	SEQ ID NO:1955 SEQUENCE LENGTH:61 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02210	acid				
35	SEQUENCE DESCRIPTION: GATCTCACAT TTCACCCCAG A	GCTCAACTGA	GGATGTGGCT	TATTAAACAC	GGAAGTGCAA	60 61
40	SEQ ID NO:1956 SEQUENCE LENGTH:59 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02211	acid				
45	SEQUENCE DESCRIPTION: GATCAGCCAT GTNTATCTTT	TTAAAAAATA	AACAGGTTGC	TTTATTTCTT	AGCTTCAAA	59
	SEQ ID NO:1957 SEQUENCE LENGTH:59 SEQUENCE TYPE:nucleic	acid				
50	TODOLOGY. 1:	4614				

	CLONE: HUMGS02212					
	SEQUENCE DESCRIPTION:					
	GATCAGATGA GATTTAATGA	AGACCCAGTG	TAAAGAATAA	ATGANTCTTA	CTCCTTAAA	59
5						
	SEQ ID NO:1958					
	SEQUENCE LENGTH: 57	•				
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS02213					
	SEQUENCE DESCRIPTION:					
	GATCTACACC TGGACTGCCC	AGGTCTATAA	GCCAATAAAG	CCCCTGTTTA	CTTGAAA	57
			300.2	00001011111	0110	٠.
15	SEQ ID NO:1959					
	SEQUENCE LENGTH: 56					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
•	CLONE: HUMGS02214					
20	SEQUENCE DESCRIPTION:			•		
	GATCGAAGAA AAAGGGGNGN	CAAAGAATAA	AAGAAGGGTT	TCCCACTAAA	ATGAAA	56
		0.20.0.21.711		100011011111111		00
	SEQ ID NO:1960					
25	SEQUENCE LENGTH: 111					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02215					
	SEQUENCE DESCRIPTION:					
30	GATCAGAAAT GTTGANTGTG	CATTGAGTAT	TAAAAAATTA	GATGTATATT	ATNCATTGTC	60
	CTTTACTCAT GAGTACCTTA					111
	SEQ ID NO:1961					
35	SEQUENCE LENGTH: 167					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02216					
	SEQUENCE DESCRIPTION:					
40	GATCTATTCC CCATCCCAAG	GCAAGCATGA	ATAAAATTAG	GTTAAACGTA	GCATGTGGCA	60
	TCGCAGTCTC TTAGAATTTG		•			
	GGTTATCCTG TTTGAAGAAA	AAGGACAAAT	AAAACATGGC	CAGCAAA		167
45	SEQ ID NO:1962					
	SEQUENCE LENGTH: 516					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
50	CLONE: HUMGS02237					
50	SEQUENCE DESCRIPTION:					

	GATCCTCATT CTCACCCATT	TGGCTAATCC	AGGAATATTG	TTATCCCTNA	NCCATTATAT	60
	TNAAGTTGAG AAATGTGACA	GAGGCATTTA	GAGTATGGAC	TTTCCTTTCC	TTTTNCTTTT	120
	NCTTTTTTCC TTTTTGAGAT	GGAGTCACAC	TCTCCAGGCT	GGAGTNCAGT	GGCACAATCT	180
5	CGGCTCACTG CAATTNCCGT	CTCCCAAGTT	CAAGCGATTC	TCCTGCTTTA	GACTATGGAT	240
	TTCTTTAAGG AATACTGGTT	TGCAGTTTTG	TTTTCTGGAC	TATATCAGCA	GATGGTAGAC	300
	AGTGTTTATG TAGATGTGTT	GTTGTTTTTA	TCATTGGGAT	TTTAACTTGG	NCCGAGTNAA	360
	ATAATCAGGT TTTTGTCATT	CACACTCTCC	CCCAGTTTTT	GGGAATAACT	TTGGAAGGTA	420
10	AGGTTCANTN CCCTAAGGCC	GGTGGGGTTN	CTGTTGGACC	TATGGGGGGN	CCACAACTGN	480
10	ACTATTTAAT TCCNCCCCAC	TGTAAGGGGC	AAAGGN			516
	SEQ ID NO:1963					
	SEQUENCE LENGTH: 483					
15	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02238					
	SEQUENCE DESCRIPTION:					
20	GATCTTTCCA GATGACTTGT	CCAAGGTCAC	ACAGGAGTCA	GATGGCCTTT	CCACTACCCC	60
20	ACAACACAGA TGCATAGTTA	CTCTGTGGGC	TAATACAATT	CAGAATTCAG	AGCTCTGCCC	120
	ATGGTCACCG GTGGAATCCA	CCAGCCATCT	CCCTGACCTT	GCTCTCCTCT	GTTCTCCTCG	180
	TCTCCAGGGT CCCATGATTC	AGGGCGAGCT	GGCTTCAGGA	TGTGGGCAAG	AGGGGTTTTA	240
	GATGGAAGGG TTTTCCTCCA	${\tt GGACAGAATG}$	TTAAGCCAAG	CCTGGACTTA	ATTGTTCCAA	300
25	GATGTCGTTA GAATTGGTGG	ACAATTTTT	TTTAATGATT	AGCAAAGGAC	AAGGCTTTTG	360
	GTGGTCATTA GTATTGTTCA	TCAAATATTC	CAGTTCTCCA	CAATTCTGGG	GTACCATGGT	420
	ANGGATGAAC CTTCCCTGTC	TTTTCAGGGT	TAAGTTTAGC	TCTNGTGATG	TGCTTTTGTC	480
	AAA					483
30						
	SEQ ID NO:1964					
	SEQUENCE LENGTH: 452					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS02239					
	SEQUENCE DESCRIPTION:					
	GATCGCTGGA GCTGTGGTCG					60
	AGGGAGCTAC TCTCAGGCTG	CAAGCAGTGA	CAGTGCCCAG	GGCTCTGATA	TGTCTCTCAC	120
40	AGCTTGTAAA GTGTGAGACA					
	CCTTCCCTTT GTGACTTGAA					
	TGTGTTCTTG TAGGCATAAT		•			
	TGACCCTCTT CCCACGNTGA					
	GTGGGGCTGA GGTGTCTCCA			TGCACTGAGC	TGTAACTNTT	
45	TCCTGNNTAT TAAAATAAGA	CCTGAGTTTA	AA			452
	070 th					
	SEQ ID NO:1965					
	SEQUENCE LENGTH: 433	• 1				
50	SEQUENCE TYPE:nucleic	acld				
	TOPOLOGY:linear					

	CLONE: HUNGSO22	240					
	SEQUENCE DESCR	RIPTION:					
	GATCAGACAC CAG	OTTOOD 4:	GGCATTCTTG	CAATACCTTA	ACAGTGCTGA	AATCTGCAGC	60
	ATGGTACTAA GGA						
5							
	AATTTAAATG AAA						
	AGATGCAACA TGC						
	ATCCCAGTCT CTC	GTATGTAT	CTGCATAGAC	AAAGAAAAAA	CAAACTCCTG	CTTTGCTTTT	300
	ATTGAANGGG TTT	CCAGGAC	TGCGTGTCTG	CTCCTGAGCT	CTGTTTTAAG	TATGTGTATC	360
10	CTTTGCTTGT ATT						
	TGTTGGCATT GTN						433
	Idiiddcail di	•					
		_					
	SEQ ID NO: 1966						
15	SEQUENCE LENGT	TH: 424					
	SEQUENCE TYPE:	nucleic	acid				
	TOPOLOGY: linea	ar					
	CLONE: HUMGS022	241					
	SEQUENCE DESCE		-				
20	GATCTGCAAA GAA		CTTNCGTCGC	TCCCTCAGNC	TCCTCCCTAT	GCCTCTNGCA	60
	CCTGCGCAGA AGI						
	AGGCTGGATG GCA						
	GATATCAAAT TC	INTAGCCC	TTTCCTCCTA	TTCTCCCAAG	NAGAGAGNTT	CCCATTTCTC	240
25	CTCGGCCATT GTA						
	ACTGAGNGTT AGA	ACGGGGAA	GACTGGCAGN	GAGGCACGCA	GGTACTGTGA	AAATCCTNNC	360
	CTTTGACCTC CNC	CCAGTGGG	AGAGGGGNGT	TGGGGTTTTC	AATGTGAGAA	CAGNAACAAA	420
	TAAN						424
30	SEQ ID NO:196	7					
	SEQUENCE LENG?						
	SEQUENCE TYPE	:nucleic	acid				
	TOPOLOGY: line:	ar					
35	CLONE: HUMGS02	242					
	SEQUENCE DESCI	RIPTION:					
	GATCNCCTGC TC	TCCAAGCA	TGGCATCTAT	GTGCAGGCCA	TCAACTACCC	AACTGTCCCC	60
	CGGGGTGAAG AG						120
	GATTTTGTGG AG						
40	TCTGTGGCTG CC						
	GAACGTTCCT AC						
	AGNTGCCTAG GA						
	CTGCTTTGTT GT	GTGCCTCT	AGCTGAATTG	AGCCTAAAAA	TAAAGNACAA	ACCACAAA	418
45				•			
	SEQ ID NO:196	8					
	SEQUENCE LENG	TH: 413					
	SEQUENCE TYPE		acid				
	TOPOLOGY: line		_=-				
50	CLONE: HUMGS02						
	CLUNE. NUNUSUZ	ムオリ					

	SEQUENCE DESCRIPTION:					
	GATCATTGAA TAAAACGGGT	GTAGAGTACA	GGAATGGGGC	AGACGCGATT	CAGGTGAACA	60
	GCACANGNAG AATATGAGGT	GGTTCCTAGG	AGCAACACTT	TCGACCTCCA	GTTCTCCNTG	120
5	ATGACAGTAG CTGTCTCCNN	GNGAAAAATC	CTCACTTATT	AACTCTCTTT	TCTTGCATCT	180
	CATTTTTATA GAGCTACTCA	TCCTTATTTG	GAAAAACCAA	CAACAAAAA	GGCTTTTAGA	240
	AAATGGTTGT AAATCTGACT	TCTTTGCAAG	TAACTATGTA	TATTGTAAAT	AGGATATAAA	300
	AAGGCCTTTT TTCTAAATAA	GGCCTTAACT	GCCTGTAACA	TGAAACTTCA	AACTAAACCA	360
	CTTAACTCAN TGNACTACCT					413
10						
	SEQ ID NO:1969					
	SEQUENCE LENGTH: 412					
	SEQUENCE TYPE:nucleic	acid .				
15	TOPOLOGY:linear					
75	CLONE: HUMGS02244					
	SEQUENCE DESCRIPTION:					
	GATCCCACCG AGAAGAACCA	TGGGTGGACC	CGAACTCCCC	GGTGCTCTNA	GAGGACCCAN	60
	NNCTTTGTGC CTTGGCAAAA					
20	AGCTACAGCG TGGGGTTGTG	GTCCTGGCCA	AGAGCTACAA	TNAGCAGCGC	ATCAGACAGA	180
	ACGTGCAGGT GTTTGAATTC	CAGTTGACTT	CAGAGGAGAT	GAAAGCCATA	GATGGCCTAA	240
	ACAGAAATGT GCGATATTTG					
	CTGATGAATA TTAACATGGA					
25	GGANTGGTNG CANAAGNGGG	TNGGTTCTTA	TGGCTGGGGG	NACTTGGGCA	AN	412
20						
	SEQ ID NO:1970					
•	SEQUENCE LENGTH: 406					
	SEQUENCE TYPE: nucleic	acid				
30	TOPOLOGY:linear					
	CLONE: HUMGS02245					
	SEQUENCE DESCRIPTION:					
	GATCCAAAGT TCATACATTT	TATGTACAAG	ATACATTAGA	CTTACAATAN	AGTCTAATTA	60
35	TTAGACTTTT ATGTCAGTGG	ATTGTGCTTG	CAGAAATACA	GAAGTAACAT	ACTGACCCTA	120
	GGTGAGGAGT TTCTTACATG	GTTAACTGGA	TTGACCCAAT	TGGAGTAAAA	GATTTTTGCT	180
	GTTACCTCGA TGCTCCTGCA	GTTGTTACCT	CAGCATGCCA	CTGTAGTCCT	TGACTCTCAC	240
	ATTAAAACTA ACTTTGGCTA	GGTACTGGTG	GCTCACACCT	GTANGTAATC	CCAGTACTTT	300
	AGGAGGCTGA GACTGGAGGA	TTACTTGAGT	CCAGGAGTTG	GAGACCAGCC	TGGCCAATAT	360
40	AGACTGTCCC TACAAAGGAA	AATAAANTTT	GTTTCATCTT	TCNAAA		406
	SEQ ID NO:1971					
	SEQUENCE LENGTH: 401					
45	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02246					
	SEQUENCE DESCRIPTION:					
	GATCAAATAT GGCATCAACA					
50	GGTGTATGAC AGTCCCCTGT	NCCGCCTGGA	TGCCGAGCCG	AGGCCCCCTC	CCACACAGGA	120

5	GGCTGCGTGA CATGGGCCAC TCTAGGACAG GTCATCCTCC CCGAGTCCCT GCTGCTGCGC 180 TCCTTTGCAT CCCTGGCCAG TNACCTTGTA TTTATGAGGC CTCTGTNAGG CAGCCCCCAC 240 CTTCCTCTTT CCCACCTGTC CCAGGACCAG AATCCCAGGG ACAGAGGACT GGGTAGCAGG 300 TTCCTTCTGT TGTCCTGTG GGTGTGTCTA CTGTGAGGGT GGGCCCTGAG GAGACCTGTG 360 GGCCANCTAT TGTCTAATAA AGTGGGGCAG TTGCCCCCAA A 401
10	SEQ ID NO:1972 SEQUENCE LENGTH:384 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02247
15	SEQUENCE DESCRIPTION: GATCTTTNAT GTTGTTNATT TTGGAGAGAA GCACAAGGAG TATTCTCTTT CTAGGGAAAG 60 TTGTGAACCC AACGGAAGCG TAGTTGGGAA AAAGGCCATT GGCTAATTNC ACGTGTGTAT 120 TGCAATGGGA AATAAATAAA TAATATAGCC TGGTGTGATT GATGTGAGCT TGGNCTTGCA 180 TTCCCTTATG ATGGGATGAA GATTGACCCC TGGCTGACCT TTNTTGGCTG TGGAAGAGGN 240
20	CAATCCTATG GCAGAGCATT CAGAATGTCA ATGCGTAATT CATTATTATC CAAAGCATAG 300 GAAGGCTCTA TGTNTGTATA TNNCCCTNTG TCGGAATACC CCCTTANCTC ATTTTCCNCT 360 TAATAAATTT CACTGGGTTG NAAA 384
25	SEQ ID NO:1973 SEQUENCE LENGTH:383 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02248
30	SEQUENCE DESCRIPTION: GATCCTGCTT CTCCCCTGGG GTCTTCTTGG TTCCCTGAAG CCCCTCTTCC GGAGTCCCTG 60 CCCTCTATCG GCTCTGCCTC CTGCTTCTTT TCTGTATTGC CATGATTTTT GCTAAGGATA 120 AAGGACAACT TCATTGGCTT CTTTGGGAAA CTTGCAATCT CCCCAAACAG GCCCCTCTGA 180
35	GATTTCTCCT TTTGCCACCT TCGATATTTT CTCCAGTTTC CTTGATTCCT TTGATACGTC 240 CCCATTCAGG CCACTCGGC CTTCCATCCA ACCTGCCAGA ACTTTTTCCA CTTCAGCACT 300 TCAGTCACTT AAACATTAGG GCTCCCTGCC CTAAAGGGAC TCAAAATCCT GCAAAANCAA 360 CCACNNAAGG ATAAAAAAAT AAA 383
40	SEQ ID NO:1974 SEQUENCE LENGTH:375 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02249
4 5	SEQUENCE DESCRIPTION: GATCAACAGG AAGAACATGG TGGTCTCCTT TGGAGATGGG GTTACCTTCG TGGTCGTCCT 60 ACACCAGGTG TGGAAGAAC ATCCTGTCCA CCGTGACTTT CTAGGCTTCT ACGTGGTGGA 120 CAGTCACCGG ATGTCAGCAC AGACGCATGG GCTGNTGGGG CAATTCTTCC AACCCTTTGA 180
50	CTTTAAAGTG TCTGACATCN GGCCAGGCTC TNACCCCACA AAGCCAGATG CCACATTGGT 240 GGTGAAGAAC CATCANGNTG ATTNTNACCA GGGGCTCCCN GAAAGANTAC AGNAAAGGNA 300

	TTGNTTGANT GGTGN	GGTTGTCTTC	TIGGTICGNN	CACANCAACG	GUGAATGITG	375
5	SEQ ID NO:1975 SEQUENCE LENGTH:370 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02250	acid				
10	SEQUENCE DESCRIPTION: GATCTATGTG CACACACCCN CTTCCTTAGA GTGAATAGGG ACGCAATTCT TTATCCTGTG	CGGACACTCC	TCTCTTTTCC	TGTAGCGTGT	GGACCGGTCC	
15	TCCCTCTCC CGTAGCATCC GTCTTCCTCC CAATCCCTAG NGACCTTGCC CCCTCGTCCN GTCAGTCAAA	GGGAAGGGGG	CATTTGGCTA	GGGGGTGCCC	CTGTGAGCCT	300
20	SEQ ID NO:1976 SEQUENCE LENGTH:367 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGS02252 SEQUENCE DESCRIPTION: GATCGATACA GGGGAGGGGG GTTTGTTGAA AAGAATATTG			-		60
30	TAATCAAAAA ACATTTGCGC TCAGACAGGA AAAGANCTGA AGCCANGTAA NGGNGAGTTT NTTCTCTCCA CAGCAGGTGG CNTGGGN	AGAAAGCAGC AAATGGCACC ATGAGGTGGT	ACTTAGGGCT CTTCTGACAT GTGGGGAGGG	GCCTGTTCTA TCTGNGGCAG TGGGGGAGGC	TACCCTACAG CTGGNCTNGC NGCGTGGGGG	180 240 300
35	SEQ ID NO:1977 SEQUENCE LENGTH:353 SEQUENCE TYPE:nucleic	aaid				
40	TOPOLOGY:linear CLONE:HUMGS02254 SEQUENCE DESCRIPTION:		·			
45	GATCTCCAGC CTTACCGCGG CCTGCGCCTG CACCGGCTCC GCTGCTGCTC CTGCTGCCCC	TGCAAGTGCA GTGGGCTGTG	AAGAGTGCAA CCAAGTGTGC	ATGCACCTCC CCACGGCTGT	TGCAAGAAGA GTCTGCAAAG	180
	GGACGTTGGA GAACTGCAGC AATAGAACAA GCTGCACAAC ATTTCTTTTT ATGTTAAATA	CTGGATTTTT	TTTTCAATAC	GATACTGAGC	CATTTGNNGC	
50	SEQ ID NO:1978					

	SEQUENCE LENGTH:351 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
5	CLONE: HUMGS02255	
	SEQUENCE DESCRIPTION: GATCTNACCT GAGGTGCTGG GTGAGAAATC TTAGGGACCA GATGGAAGAG GGCCTGTNTA	60
	TANNGACATT AGGAAGGAGG TTTGGGAAGG TTTGGGAGGG CAGCCTGACT TGTCTCCAGA 1	
	GAAAGTTAGA ACTGGTTGAC TTAGCAACCA AGGGNCACTG GGTCAAAGAC GAGGANTCAG 1	
10	GACGTCGGTG CCTAGTGACT GAGCGCCANC CAGCCCATTT CTNTACATTG CCATGGGCTA 2	
	AACCCAGTGT GCTGTAAACT CTTGCAGTTC CTTGNGGTTA TGGGATTTTG NTATCTTGNC 3	00
	NGTGTTTCCT CAANTAAAGG NNCTTGTTTG TAAAAATTGG GNAANAAGAA A	351
15	SEQ ID NO:1979	
73	SEQUENCE LENGTH: 342	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUNGS02256	
20	SEQUENCE DESCRIPTION:	
	GATCTGTTTC CTACAGACTT CAAATTTGAC ACCCCAGTGG ACAAACTACC ACAGCTATAA	
	ATTGAGGCAG CTAACGTCAA ATTCTTGAAT ACAAAACTTT GCCTGTTGTA CATAGCCTAT 1	
	ACAAAATGCT GGGTTGAGCC TTTCATGAGG AAAAACAAAA GACATGGTAC GCATTCCAGG 1	
25	GCTGAATACT ATTGCTTGGC ATNNNGTATG TATATACTAG TGAAACATAT TTAATGATTT 2 AAATTTCTTA TCAAATTTCT TTTGTAGCAA TCTAGGAAAC TGTATTTTGG AAGATATTTG 3	
		342
	AUDITATION ATTOTIONAL AUDIOMETTI TOMBUNION III.	
	SEQ ID NO:1980	
30	SEQUENCE LENGTH: 340	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUMGS02257	
35	SEQUENCE DESCRIPTION:	~~
	differential from the first that the first the	60
	TGAGAAAACA GATACTGATG GGAAGTTTCT CTATCACAAA TCCAAATGGA ACATAACCAT 1 GGCGTCCTAT GTGGTCCACA CCAACTATGA TGAGTATGCC ATTTTCCTGA CCAAGAAATT 1	
	CAGCCGCCAT CATHGACCCA CCATTACTGC GGTGTCCCTG GTGATGGNGA TGAGGAGCTN 2	
40	CTGCGCTTCT CCAACTGACA ACTGGCCGNT CTGCANGTCA GAGGATGGNC AGTGTCTGTC 3	
		340
	SEQ ID NO:1981	
45	SEQUENCE LENGTH: 339	
75	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS02258	
	SEQUENCE DESCRIPTION:	
50	GATCNTNTCG NCTCTGAAGA AGACATGGTG ACTGTGGTGG AGGACTGGAT GANNTTCTAC	60

	ATCAACTATT ACAGGCAGCA					
	GAGCTTCGGC AAGAGCTGAA					
_	CTGAAGTCTC ATGAGCTCCC					
5	CCTCCTCTCT GAGAAACTCT			GIGCICCIGC	CACICIACCC	
	TGACACCTCA ATAAAGACCA	GIGCIGGIII	IUIIUUAAA			339
	SEQ ID NO:1982					
	SEQUENCE LENGTH: 334					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02259					
	SEQUENCE DESCRIPTION:					
15	GATCCTTNCG TGCTGAATAT	CTGAAAAGAG	AAATTTTTCC	TACAAAATCT	CTTGGGTCAA	60
	GAAAGTTCTA GAATTTNAAT	TGATAAACAT	GGTGGGTTGG	CTNAGGGNAA	GAGTATATGA	120
	GGAACCTTTT AAACGACAAC					
	CAAATGTGTT ATCCTCTCTC					
20	AGCTATTGTT TACAATTATA	TCACCATTAA	GGCAACTGCT	ACACCCTGCT	TTGTATTCTG	
20	GGCTAAGATN CATTAAAAAC	TAGCTGCNCT	TAAA			334
	070 ID NO 1000					
	SEQ ID NO:1983					
05	SEQUENCE LENGTH: 332 SEQUENCE TYPE: nucleic					
25	TOPOLOGY: linear	acio				
	CLONE: HUMGS02260					
	SEQUENCE DESCRIPTION:					
	GATCTTGTGC CAAGCTNAGG	CTCTACCCCT	GCAAACGATG	AAGCAAGAGT	TTCTCATTAA	60
30	CCTTGTGAAG CAAAAGCCAC					
	CTCAGGCTNT TGGAGAAATG					
	AAACTGATTT CAAAAACTCG					
	CAGNNCTTTC ATTCGGTGTN					
35	GATTAATGNA ATGATAAACG					332
	SEQ ID NO:1984					
	SEQUENCE LENGTH: 331					
40	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS02261					
	SEQUENCE DESCRIPTION:					
	GATCCTGTGT GTGTGTACTA					
45	AAAGCCCATG GTATCCTAAT					
	ATGTTTTCAC ACAGACGTAT					
	GTCTCTGGGA GGATATCTAG					
	AATGACTTTT CAATGTACAC			ICUIACCAIU	INCAIGIAII	331
50	ATCTATTAAA AAATAGTTCT	IAALIIIIAA	A			331

						•	
		SEQ ID NO:1985 SEQUENCE LENGTH:326 SEQUENCE TYPE:nucleic	acid				
5		TOPOLOGY: linear CLONE: HUMGS02262 SEQUENCE DESCRIPTION:					
		GATCACCCGG CAAGTTCAGG					
10		CAACCCGAGC TTCAGAGGCC					
		AGCACGCCAC CAAGACCGCC				•	
		AGCAGGCCAG GGGCTGGGTG TTAAGGACAA GTTCTCTGAG					
		TGGCTGCCTG AGGACCTCAA		IUUACCCIUA	GGICAGACCA	ACTICAGCCU	326
15		Iddoldcold Addaccicaa	IACCCI				320
		SEQ ID NO:1986					
		SEQUENCE LENGTH: 321					
		SEQUENCE TYPE:nucleic	acid				
00	-	TOPOLOGY: linear					
20		CLONE: HUMGS02263					
		SEQUENCE DESCRIPTION:					
		GATCCTTACA TCTGCATCTA	GTTATCAGTA	ATTTAGATAT	TGAGCTATTT	TGATTTATAT	60
		TTAAGAAATT AATACATTAG	CACTGAAAGT	TAAATAGTGT	GTTTAAGGTA	GTTAATTTCA	120
25		GGTTGAATGG GTTTTTTTA					
		ATATTAAATA TTATAGTAAA					
		GATNTTTTNA TTCTCANCTT		AAATGTTACA	TCTGCAGAAA	AGTTGAAAGT	
		ATAATAAACT CTTCAGTTAA	Α .				321
30		SEQ ID NO:1987					
		SEQUENCE LENGTH: 321					
		SEQUENCE TYPE:nucleic	acid				
		TOPOLOGY: linear					
35		CLONE: HUMGS02264					
		SEQUENCE DESCRIPTION:					
		GATCTGCGCT GTGGCTGTCC	CTGGACGTGC	TGCAGCCCTC	CTGTCCCTTC	CCCCCAGTCA	60
		GTATTACCCT GTGAAGCCCC		-			
40		GGTTCTNAGC ATCATCCTTT					
		GTTTTGCACA GACGTGGGCC					
		GCCGAATTCT ACAATCCCGC		GGGGCGGGAG	AGAAAGGTGG	TGCTGCAGTG	
		GTGGCCCTGG GGGGCCATTC	N				321
45		SEQ ID NO:1988					
-		SEQUENCE LENGTH: 315					
		SEQUENCE TYPE:nucleic	acid				
•		TOPOLOGY: linear					
50		CLONE: HUMGS02266					
50		SEQUENCE DESCRIPTION:					

		GATCAAAAAT	TTCTATCTGG	AGAACCTCTG	CGGACAAACC	GAGTGCTTCC	TGCAATTCCA	60
		AGTCAACGAA	GACACAGCAC	AGCAGCAGAA	GAGAGTGAAC	ATTCTGCCAA	CCCCACCAGT	120
		GATGAAAATT	AACTGTGGGC	CACTCGCTGC	AGAAATGTAG	ATGAATATGT	ATTTTCAACT	180
	5						AGCTGCATTC	
							CTCCCTAAAT	
		AAGCACTTAG						315
	10	SEQ ID NO:	1080					
		SEQUENCE LE						
		-						
		•	PE:nucleic	acid				
	15	TOPOLOGY: 1 i						
	10	CLONE: HUMGS						
		SEQUENCE DE						
							GGAGATTTGA	
		•					TGGTGATTCT	
	20						TCTCCGTTCT	
		TATCTTCATC	CTATGCAACT	TTAGACCGCT	ACTGTTTTTT	AAAAGTGATT	TGATTTGNGG	240
		CTGTAACCTT	TTTTTATTGT	TGTTAGCTTT	GACTTTGAAA	TGTGTAATAA	AGATTCAAGT	300
		GAGCATTAGA	AA					312
	25							
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•	45							
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5	SEQ ID NO:1990 SEQUENCE LENGTH:310 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02269	acid				
10	SEQUENCE DESCRIPTION: GATCTTGGGG TCCCCCGACG CCAGTGAGCA CCTGCCCTGC ACACAGCAGT ACCCTGACCT ATGACTATTT CCACCATCAA TCCATAATGC CACTGGTGTT CCTCCTTAAA	CTGCATCTGG GCTGTGCACC ATGCTGTAGA	AGAATTGCCT TTACATTCCT ATGCTTGGCA	CTACCTGGAC AGAGAGCAGA CTCCCTAACC	CTTTTGTCTC AATAAAAAGC AAATGCTGTC	180 240
15						
. 20	SEQ ID NO:1991 SEQUENCE LENGTH:305 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02270	e acid				
25	SEQUENCE DESCRIPTION GATCCGAGTG AATGCAGTA GAGTGACCCC CACAAGGCC GGTAGAGCAC GTGGTGAAC	A ACCCCACAGT A AGACTATGCT G CCATCCTCTT	GAACCGAATC TCTGCTGAGT	CCACTTGGCA GACCGAAGTG	AGTTTGCTGA GCATGACCAC	180
	GGGTTCCACT TTGCCGNTG NAAGCCCCAT GGGCGTGCT CCAAA	G AAGGGGGCTT C ATCCTACCCC	CTGGGCCTGC CAATCCNTCC	TGAGCTCCCT AATAAACCTG	ATTCTGCTGG	300 305
30	SEQ ID NO:1992 SEQUENCE LENGTH:301 SEQUENCE TYPE:nuclei TOPOLOGY:linear	c acid				
35	CLONE:HUMGS02271 SEQUENCE DESCRIPTION GATCGAGACA CGTGATGGG AGCTGCGGCA GCCCTCCCA	A AGCTGGTGT	C CTGCGCTGC	C CCAGNNNCTO	GGAAGGAGGC	120
40	CGCTATGCAG GGTAGCACT CCCACCTGGG GAGTTTACT ATTCAATTGC TTTTTTTTTTA	A CCTGGGGAC	C CCCCTTGCC	C ATGCNTCCA(CTACAAAACA	240
45	SEQ ID NO:1993 SEQUENCE LENGTH:311 SEQUENCE TYPE:nucle TOPOLOGY:linear	ic acid				
	CLONE: HUMGS02272					

	SEQUENCE DESCRIPTION:					
	GATCTGAACT CCAGCTGCCC	TACAAACTCC	GTCACAGCTT	TTNTTCTCAC	TTCATGTGAA	60
	AACTACCCCA GTGGCTGACT					
5	TAAAGCAGTC ATTCCTTAGT					
	ACTTTGATAG CACTGATATG					
	TTTGAAGAAC CCCTCACTGT					
	TATTTCAGAA A	CACCITCCIA	AUAATACICI	AAGACCALTA	ABITA OT TOM	311
	INTITIONUM A					311
10	SEQ ID NO:1994					
	SEQUENCE LENGTH: 297					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	aciu				
15	CLONE: HUMGS02274					
73	SEQUENCE DESCRIPTION:					
	GATCTAAAAC TNAAGAACAA	ATTCTATTTA	TTTATTATTC	CAAAATNAAA	AGCAACTCAA	60
	AACAACTTCA ACCTGGAGGT					
	ACTGTTTTAT AAATNCTTTT					
20	TTTTCCCTTT TTTCTCCATA					
	AAGTCTTGTG CTATAAAGGG					297
	ANDICITOR CIARANDO	UAACTICCCC	IAAIAAAAdd	dcciiddaaa	CCICAAA	231
	SEQ ID NO:1995					
25	SEQUENCE LENGTH: 293					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS02275					
	SEQUENCE DESCRIPTION:					
30	GATCTAGGAG AGGCGGCTCT	CAACGATTAC	CTGCGGGTCA	AGACAGTNAC	CTTCGAATAC	60
	TGAAGAAAGG TCTTTTTAAG					
	CCTNTTAAGC CTGGNTGCAC					
	TGCACACCAT GTTTGCNTCT					
35	TNAGGTGTGC CCCTCCCAGG					293
33	INAUGIGIUC, CCCICCOAGG	NAUAATAAAU	CITCIAAAUA	MAUACCUTCC	nnn	233
	SEQ ID NO:1996					
	SEQUENCE LENGTH: 290					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear	acru				
	CLONE: HUMGS02276					
	SEQUENCE DESCRIPTION:		•			
	GATCAGGAGG AAGTGAGCAG	TOCOCTOCOT	GCAGCAGGNA	CCTTTCTACT	CCTGCCTCAT	60
45	GCGTACGTCC CACAAATGCA					
70	AGGCGCACAG TGTGAGCCCG					
	CGTTGTTGTG GGTTTGGTCC					
	TTGAAGGGCT TTATTAAAGA					290
	TIGHNOUGH TINIINNAGA	INT I WWWWW		UTOTITUME		

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SEQ ID NO:1997

5	SEQUENCE LENGTH: 289 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS02277 SEQUENCE DESCRIPTION:	acid				
	GATCCTGAAG AGGATGGTGT					
	CTTAAAGTGT TCCCAGTCCC AATCTAGCAG CTCATCCCTT					
10	TCTGTCAAAG AACCTTCAAC					
	AGGAGAGAAG TGTTGTTAAC		-		IMITICITY	289
	SEQ ID NO:1998					
15	SEQUENCE LENGTH: 279					•
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02278					
00	SEQUENCE DESCRIPTION:			•		
20	GATCAGAGAA GCTAGGAGAG	CTCCAGCAGG	GGCACAGAGG	ATTGGNNGCA	GGAGGAGTCT	60
	GGAACACAGC CTTCATGCCC					
	CAGTCGTATC CTCTGTCCGC					
	GGCCNAACCT GGGNCCTGNN			GGCTCTCCCT	AGGGGTGGTG	
25	TNTCTCCTCT AGGGTATTGG	GNIGCAIGIN	NIGCACINN			279
	SEQ ID NO:1999					
	SEQUENCE LENGTH: 274					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUMGS02279					
	SEQUENCE DESCRIPTION:					
	GATCATGAAG GAACACATAG	CACCAAGAGA	GGCCATGCTA	AATCTCGCCC	TGTCAGAGGT	60
35	ATCCACACTT CTCCTTTGGG					
	CTGTTACACG TCATTGAAAC					
	CTTGGGGNCA GGGCCTTTGN			CAAATGCCTA	ACAGTACAGA	
	GCCATGACTC AATAAATACA	TUNTAAATUU	NAAA			274
40	SEQ ID NO:2000	•				
	SEQUENCE LENGTH: 280					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
45	CLONE: HUMGS02280					
	SEQUENCE DESCRIPTION:					
	GATCTTAACA AAATTCGTAG					
	AATGATTCTC AGTTAGCATT					
50	ACTTAATAAA AGCTTAGGAT					
-	TTNATTTNCT TGAATACTTT	TTNCATAGTT	ATTTGTTTAA	AANGATTTAA	AAATCATTGC	240

•	ACTTTGGTCA GAAAAATAAT	AAATATATCT	NATAAACAAA			280
	SEQ ID NO:2001					
5	SEQUENCE LENGTH: 271					
5	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	aciu .				
-	CLONE: HUMGS02281					
	SEQUENCE DESCRIPTION:					
10	GATCTGCATG TTCTCTCTTT	GGGTTCAAGC	ATTTCCTTAC	AGAAGAGCCA	CCCTCCAACT	60
	CATGGGTAAA TATGTGTTGA					
	AGCAATAGGG GAACTCATTT					
	TTCTAACATT TTNANNTTGC					
15	AGGTTAATAA AAGCCCATCT			UNITUATUAN	ACTANCAAAG	271
75	AUGITAATAA AAUGCCATCT	Cuichidian	n.			211
	SEQ ID NO: 2002					
	SEQUENCE LENGTH: 270					
-	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear	4014				
	CLONE: HUMGS02282					
	SEQUENCE DESCRIPTION:					
	GATCTTACCC GTGACAAAAT	GTGTTCCATG	GTCAAAAAAT	GGCAGACAAT	GATTGAAGCT	60
25	CACGTTGATG TCAAGACTAC					
	AAAAAACGCA NCAATCAGAT	ACGGAAGACC	TCTTATGCTC	AGCACCCNCA	AGGTNCGNCN	180
	AATNCGGGAG AAGATGATGG	GNAATCATTG	GCCCCGTGAG	GGTTCAAGGC	AAANTTTGCT	240
	TTTGAANGNA AGGGGGGNNA	ATAAATTNGN				270
30	SEQ ID NO:2003					
	SEQUENCE LENGTH: 265					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS02283					
	SEQUENCE DESCRIPTION:					
	GATCCCAACA GAAGAACATC	GGAGACCAGA	GAGAGGAACT	CAAAGGGGCG	CTGCCTCCGG	60
	GTCTGGGGTC CTGGCCTGCG	TGGCCTNTTG	GCACGTGTTT	CTCTTCCCCG	CCCGGCCTCC	120
40	AGTTGTGTGC TCTCACACAG	GCTTCCTTCT	CGACCGGCAG	GGGCTGGCTG	GCTTGCAGGC	180
70	CACGAGNGTN GGCTCTACCC		TTGCTGTGTA	TACGCTTNTT	GCCCTTAAAT	
	AAATATGCAC ATTTTATCCA	TTAAA				265
	CEO IN NO. COO.					
	SEQ ID NO:2004					-
45	SEQUENCE LENGTH:249 SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS02285					
	SEQUENCE DESCRIPTION:					
50	GATCCACATT GTTAGGTGCT	GACCTAGACA	GAGATGAACT	GAGGTCCTTG	TTTTGTTTTC	60
			GIMAU A			

5	TTCATAATAC AAAGGTGCTA TAGAAGAATT TGAGAAGAAA AAAATTTGAT TTAGCATTCA TTGCCCAAA	TACTCCTGTA	TTGAGTTGTA	TCGTGTGGTG	AATTTTTAA	180
10	SEQ ID NO:2005 SEQUENCE LENGTH:242 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02287	acid			-	
15	SEQUENCE DESCRIPTION: GATCAGGAGC AAACAGACCC CCAGCCCGGG AGGCAGAACC TGGCACCTCC TGGAAACAGT AGTCCCCAGG CCATGAGCCT AA	AGGCAGCCTC CCACTTGGGC	CNTGGCCCCA GCAAAACCCA	GGCAGCCCTT GTGCCTTCCA	TTCCCTCCAG AATGAGCTGC	120 180
20						
	SEQ ID NO:2006 SEQUENCE LENGTH:239 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid	÷			
	CLONE:HUMGS02288 SEQUENCE DESCRIPTION: GATCTAAGTT TGATAAGAGC TCCAGGACTG GGTTCAGAAG					
30	AAAGAAGATT TCAGCTGGAG GTTAAGTNTG GGTCCANCCT	AGGCAAAGTG	GCGGGAGTGG	CAGAGTGGTG	CGTAAGTGTG	180
35	SEQ ID NO:2007 SEQUENCE LENGTH:238 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGS02289	acid				
40	SEQUENCE DESCRIPTION: GATCCTGAAG GTAATACAAT GTAAAATAAG CATTCCACAT TTACAGCGAA AAGTCTTTC TATTGACTAA CAAAATGATG	TTATAAACAA AAACAGAAGC	CAGGTTATTT ACCTAATATT	CAGGAAGATA TAATATATTA	TTTTCATATC TTTTGTAAAT	120
45	SEQ ID NO:2008 SEQUENCE LENGTH:236 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE: HUMGS02290 SEQUENCE DESCRIPTION:					

	GATCCTGAGA NCTTCAAGCT CCTGGNNAAT GTNCTGGTGA CCGTTTTG	GC AATCCATTTC 60
	GGCAAAGAAT TCACCCCTGA GGTGCAGGCT TCCTGGCAGA AGATGGTG	AC TGGAGTGGCC 120
	AGTNCCCTGT CCTCCAGATA CCACTGAGCT CACTGCCCAT NATGCAGA	GC TTTCAAGGAT 180
5	AGGCTTTATT CTGCAAGCAA TCAAATAATA AATNTATTCT GCTANGNN	AA AACAAA 236
3	Audottime. Ordolatolar romanosania	
	SEQ ID NO:2009	
	SEQUENCE LENGTH: 235	
	SEQUENCE TYPE: nucleic acid	
10	TOPOLOGY: linear	
	CLONE: HUNGS02291	
	SEQUENCE DESCRIPTION:	
	GATCATTACC ATTACAGGAA CACAGGACCA GATACAGAAT GCACAGTA	TT TGCTGCAGAA 60
**	CAGTGTGAAG CAGTATGCAG ATGTTGAAGG ATTCTAATGC AAGATATT	
15	TAGTGTGAAG CAGTATTCTG GAAAGTTTTT CTAAGACTAG TGAAGAAC	TG AAGGAGTCCT 180
	GCATCTTTTN NNGTTTAANC TGCTTCTGTT NAAAANGCCA NCATTCCT	
	devictiff midtimine registration in a second second	
	SEQ ID NO:2010	•
20	SEQUENCE LENGTH: 233	
	SEQUENCE TYPE: nucleic acid	
•	TOPOLOGY: linear	
	CLONE: HUMGS02292	
25	SEQUENCE DESCRIPTION:	
,	GATCCTGAAG AACTTCAAGC TCCTGGGAAA TATGCTGGTG ACCGTTTT	GG CAANNNGTTT 60
	CGGCAAAGAN TTCACCCCTG AGGTGCAGGC TTCCTGGCAG AAGATGGT	GA CTGGAGTGGC 120
	CAGTGCCCTG TCCTCCANAT ACCACTGAGC TCACTGCCCA TAATGCAG	GAG CTTTCAAGGA 180
	TAGGCTTTAT NCTGCAAGCA ATACAAATAA TAANTCTNTC CTCCTAAG	
30		
	SEQ ID NO:2011	
	SEQUENCE LENGTH:229	
	SEQUENCE TYPE: nucleic acid	
35	TOPOLOGY: linear	
55	CLONE: HUMGS02293	
	SEQUENCE DESCRIPTION:	
	GATCCTTGAC GAGGAGAGAG AGCTTGAAAA GCTGTTTCAG CTGGGCC	CCG CTTCACCTGT 60
	GAAGATGCCC TCTCCACCAT GGGAATCCAA TCTGTTGCAG TCTCCTT	CAA GCATTCTGTC 120
40	GACCCTGGAT GTTGAATTGC CACCTGTTTG CTGTGACATA GATATTT	AAA TTTCTTAGTG 180
	CTTCAGAGTT TGTGTGTATT TGTATTAATA AAGCATTCTT TAACAGA	
	SEQ ID NO:2012	
45	SEQUENCE LENGTH: 223	
-	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS02294	
	SEQUENCE DESCRIPTION:	
50	GATCTGGCAT AAATAAATTN AATAAATATT TTAATGCTCC ATTTTT	TAAT GTTGCTTTTC 60

	ATACTAAAGA ATGGTGTAGA CAATGTTTTA GAGNAGGAAA					
	TGCATTAAAT GATGGTGGCA	AAATAAACCT	ATTAGAAATT	AAA		223
5	SEQ ID NO:2013					
	SEQUENCE LENGTH: 221					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	00.10				
10	CLONE: HUMGS02295					
	SEQUENCE DESCRIPTION:					
	GATCAATGCC CTCATCTGCA	ATGTAGGGGC	CGGTGGACCT	GCTCCAGCAG	CTGGTGCTGC	60
	ACCANAGGAG GTCCTGCCCC	CTCCACTNCT	GCTGCTCCAG	CTGAGGAGAA	GAAAGTGGAA	120
15	GCAAAGAAAG AAGAATCCGA	GGAGTCTGAT	GATGACATGG	GCTTTGGTCT	TTTTGACTAA	180
	ACCTCTTTTA TAACATGTTC	AATAAAAAGC	TGAACTTTAA	A		221
	SEQ ID NO:2014					
	SEQUENCE LENGTH: 219					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02296					
	SEQUENCE DESCRIPTION:					
25	GATCTGTAGT GTCATGGGTG	CTGCCGCAGA	CGNAAGTTGA	NCTGGGGGTG	CCTGCAGCCT	60
	TCCACTCCTG CCCCGCCTCA	CCCCACATGC	TCCCTGTTTC	TAATGCTTTC	TCTAACTTCC	120
	TCACCCCTTA ACCAAAAAGG	TGTGTTTNCT	TTTGTNCATA	TAGCCATTCT	NAAATATNAG	180
	TAATGTAAAC CTNACTTTAT	TAAAAAATTA	TCCAGCAAA	٠		219
30	SEQ ID NO:2015					
	SEQUENCE LENGTH: 216					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
35	CLONE: HUMGS02297					
	SEQUENCE DESCRIPTION:					
	GATCAGGTTT GTTGAGTTTT					60
	AAAGAAAGCT TTTTCTTACG					
	AGGATTAAGC CCTTAGTCTG			ACAAATTAAA	TTTGCTTTTG	180
40	TAATAACAAT AAAAGTTGTC	ATCTTCCCTT	TTGAAA			216
	SEQ ID NO:2016		٠			
	SEQUENCE LENGTH: 210					
45	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02298					
	SEQUENCE DESCRIPTION:		•			
50	GATCCTGCCA TCACTGCTGC					60
50	AGCCCAACTG TGCCTGCTAG	TNTCCCCGTG	CACACAGGCA	GCTCCAGGGG	GCTCTGGTTG	120

	CCAACAAACA GCATTTGTAA			TATACTGCCT	AACAATTATT	180
	TGAAGGAATA AATTGATGTC	AATGGCTAAA				210
5	SEQ ID NO:2017					
	SEQUENCE LENGTH: 219					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02299					
10	SEQUENCE DESCRIPTION:					
	GATCTAGCCT GATTCCTGCG	TGTCCGAAAG	AACTTAACGT	TTTAAAGGTN	ATTGTNAAGT	60
	AACTGTGTGG GGTTCTAATG					
	GGCCTCTATC CTAATGACTC			CATGATTGCT	TTTNAGGGCC	180
15	CGGAATTATA AATATATATN	ATATTTAANT	TGTTTGAAA			219
	SEQ ID NO:2018					
	SEQUENCE LENGTH: 208					
	SEQUENCE TYPE: nucleic	acid				
20	TOPOLOGY:linear					
	CLONE: HUMGS02300					
	SEQUENCE DESCRIPTION:					
	GATCCGGGGC ACAAAGAGGG	TGGGGAACAT	${\tt GGGGGCTATA}$	CTGGGGAAAG	CAGCCATGCT	60
25	CCCCCCNACC TCCAGCCGAG					
	CCAGGGGACC TCCTTTCANA		AGAGATGAAA	TGTTTTTCCA	TATTTAAATA	180
	AATAAGAACA TTAAAAAGCA	ACCCCAAA				208
	SEQ ID NO:2019		,			
30	SEQUENCE LENGTH: 202					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02301					
35	SEQUENCE DESCRIPTION:					
	GATCTCAAGG CTGCCGTACT	GGAGGCCATG	ACTGCCTTCC	GCAGAGCAGG	TGCTGACATC	60
	ATCATCACCN ACTACACACC					
	TGCCAGGCCC AAGAACTAGA		GTTCCCGGGG	CCTCAGACAA	GTGAAAACCA	180
40	AAGTAAATGC TGCTTTTAGA	AA				202
	SEQ ID NO:2020				0	
	SEQUENCE LENGTH: 224					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear					
	CLONE: HUMGS02302					
	SEQUENCE DESCRIPTION:					
	GATCTTCTTT GAGACAAGGC	AGGCTGTGGC	CATGTAGCCC	CATCACACTG	TGTTTGTNAT	60
	TGTCTGTGTG TCTGTCTCCC					
50	TGTCCGTTCT CTGTATCCCC					

	AATGGACAAA GAGAGAGGAT	GACCCTCACG	GGGAGACAGA	GAAA		224
5	SEQ ID NO:2021 SEQUENCE LENGTH:195 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02303	acid				
10	SEQUENCE DESCRIPTION: GATCGGCAAA TGCATTGGCC AGGCAATGAT TAAGTTAGGC GTATGGAGAG ATTCAAGAAA TGGCTTATAG TCAAA	AATTTCCAGT	ATGTTAAGTA	ACACACTTAT	TTTTGCCTGT	
15						
20	SEQ ID NO:2022 SEQUENCE LENGTH:193 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02304	acid				
25	SEQUENCE DESCRIPTION: GATCTGTGCC GTGGTCCTGA TTTTTCCATC AAGCTGTAGC GGAAATGCAT CCCCTCAGAG TTCTATCTTG AAA	CTGCAGAGAA	TGGAAACGTG	GGAAAGGAAT	GGTATGTGGG	120
30	SEQ ID NO:2023 SEQUENCE LENGTH:192 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02305	acid				
35	SEQUENCE DESCRIPTION: GATCTNCCCT GCATCCTGAC ATTCAGCCTA TTCACTGATG GCACCTACGA TATAGTCCAG GAAAACCACA AA	AGGAAAGTGA	AGCCGGGTCT	CCTGTCTCCC	CAAATTCATT	
40	SEQ ID NO:2024 SEQUENCE LENGTH:191					
45	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02306 SEQUENCE DESCRIPTION: GATCCCTAAC TACCAACCCC	CTGAAGGCAG				
	AGTGGAGTTT AAGAGATAGA	CTTGCAGGCT	GCTATCCTTA	ACATGCTGCC	CCTGAGAGTA	120
	GGAATGACCA GGGTTCAAGT	CTGCTTTCCA	CAGAATCAGG	CATNCTGTTA	ATAAATACTG	
50	GTTT AATCAA A					191

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5	SEQ ID NO:2025 SEQUENCE LENGTH:186 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02307 SEQUENCE DESCRIPTION:	acid				
10	GATCGTATTT CAGTTTTTTG TTTGACATCA AAGCTATGTC ATGGAATGTT AATTACATCG CAGAAA	TTGGCATATG	TTTATGTTGA	TATACTTGAA	TTCATTTAAA	120
15	SEQ ID NO:2026 SEQUENCE LENGTH:380 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02308	acid				
	SEQUENCE DESCRIPTION: GATCCATTGA GAAAGAGATG GTGATTATGA CCAGTTGAAT TCCCAAATAT NTAAANTAAT	AATCTCTTTC GTAAANTCAT	CCTTGAATTA ATTTNACTGC	TTTAGCTAAC CCATTATTAA	AAATTAACTC CTAAAATATT	120 180
25	THTGTNTGAC TTTGAGCACC TGGGCGAATA AGAGATGTCT GNTATCATAT ATGANGTCTG GGACTCCANT TCTAAGGNTN	AAAAATATGC	ACTGGTCTTG	GGAAACATGG	CACAAGTAAG	300
30	SEQ ID NO:2027 SEQUENCE LENGTH:183 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02309	acid				
35	SEQUENCE DESCRIPTION: GATCTCTCCA CAGGGCTTGT GCCTACCTAA GCATATCGTA AAATGTAGTG CTCGAGTCAC AAA	AAGCTGTTCA	AAAATAACTC	AGACCCAGTC	TTGTGGATGG	120
40						
45	SEQ ID NO:2028 SEQUENCE LENGTH:188 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02310 SEQUENCE DESCRIPTION: GATCTGCAGC TGCCTTGGGA		TGCAATGTTT	AGAGTGTGAA	GTCAGTTACT	. 60
50	TGTTGATGTT - TTCTTACTGT	ATCAATGAAA	TACATATTGT	NATGTCAGTN	CTTGCCAGGA	120

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	ACTTCTCAAC AAAATGGAAT TTNNTTTTNC AGTATTTCAA TAAATATTGA TATGCCCAGC CTGNTAAA	180 188
5		
	SEQ ID NO: 2029	
	SEQUENCE LENGTH: 178	
	SEQUENCE TYPE:nucleic acid	
0.	TOPOLOGY:linear	
10	CLONE: HUNGS02311	
	SEQUENCE DESCRIPTION:	
	GATCCATGCT GATTTTTATT GCACAAGAAT TAGGTTTGAA CTCTTGAGCT GGAACCTCAG	60
	CAAACTAGAG TATATATTGT TCAGTATNNC TTTGGAAACA TTTCATTAAT GTACTTGTCT	120
15	TACANAAATT TCTGAACTTT AGTAAAAAAA AAATAAAGTT AAACTTTTAA AACTCAAA	178
	SEQ ID NO:2030	
	SEQUENCE LENGTH: 176	
	SEQUENCE TYPE: nucleic acid	
20	TOPOLOGY:linear	
	CLONE: HUMGS02312	
	SEQUENCE DESCRIPTION:	
	GATCGGTATG TTTTGAAAAG AGTAATTTAA CTTTTGGGTG CCAGGAAATG GGTTTTCTCA	60
25	AAGTCCATTG CCGGCAATGG GCAGGCCTGC AAATACTGGC ACAGAGCATT AATCATACAC 1	20
	CTTATTAACG GTGAGGTGAA TAACTTTGAA ATAAAGTTTT AGAGAAATGT TTCAAA	176
	SEQ ID NO:2031	
	SEQUENCE LENGTH: 174	
30	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS02313	
	SEQUENCE DESCRIPTION:	
35	GATCCGCCTG GCAGCCATTG CAGAGTCAGG GGTAGAGCGG CAAGTACTTT TGGGAGACCA	60
	GATACCCAAA TTCGCCGTTG CCACTTTACC ACCCGCCTGA ATCCTGGGAT TCTAGTATGC 1	20
	AATAAGAGAT GCCCTGTACT GATGCAAAAT TTAATAAAGT TTGTCACAGA GAAA	174
	SEQ ID NO:2032	
40 .	SEQUENCE LENGTH: 172	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUNGSO2314	
45	SEQUENCE DESCRIPTION:	
70	GATCCAGAAG TTATGGTGGC TTTCCAGGAT GTGGCTCAGA ACCCAGCAAA TATGTCAAAA	60
	TACCAGAGCA ACCCAAAGGT TATGAATCTC ATCAGTAAAT TNTCAGCCAA ATTTGGAGGT 1	120
	CAAGCGTAAT GTCCTTCTGA TAAATAAAGC CCTTNCTGAA GGAAAAGCAA CN	172
50	SEQ ID NO:2033	
	SEQUENCE LENGTH: 170	

5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02315 SEQUENCE DESCRIPTION: GATCTCAGGA CCTCTTTACA CTTTTCAAAG TTACTTAAGA CTCTGAAGAG CTTTTCTTTA 60 TGAGGTTATA TCAATATTTA CTACATTAAA AATTAAAACA GAAAATTTAA AGTAGGTATT 120 TATTGATTTA TTTAAACAAT AAAAATAATA AAGTATTACA TGCTAACAAA 170
10	SEQ ID NO:2034
	SEQUENCE LENGTH: 169 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS02316
15	SEQUENCE DESCRIPTION:
	GATCCGTTTG CTGTGAACCC TATGTTATTT CCATGTGTCA AGTGGGTCTT GTGTTGCCAG 60
	CTTCTATTTG AAGATTGCGT TTGCACTCAG TGTAAGTTTC TGTCAGCAGT AGTTTCACCC 120
00	ATTTGCATGG AAAAATTTAA AGCTAATAAA GCAATTTAAA AAGCACAAA 169
20	
	SEQ ID NO:2035 SEQUENCE LENGTH:159 SEQUENCE TYPE:nucleic acid
25	TOPOLOGY: linear CLONE: HUMGS02317 SEQUENCE DESCRIPTION:
	GATCCCACAG TCTCAGCCCT GCTTACTAGT GAGAAAGACT GGCAAGGTTT CCTAGAGCTC 60
	TACTTACAGA ACAGCCCTGA GNCCTGTAAC TATGGGCTCT GAAGGGGGCA GGAGTCAGCA 120
30	ATAAAGCTAT GTCTGATATT TTCCTTCACT AATATGAAA 159
	SEQ ID NO:2036 SEQUENCE LENGTH:151
35	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS02318
	SEQUENCE DESCRIPTION: GATCCGGGGN AGCTAGGATG GGGAACCTGC CACAGCCAGA ACTGAGGGGC TGGCCCCAGG 60
40	CAGCTCCCAG GGGGTAGAAC GGCCCTGTGC TTAAGACACT CCTGCTGCCC CGTCTTGAGG 120
	GTGGCGATTA AAGTTGCTTC ACATCNTCAA A 151
	•
	SEQ ID NO:2037
45	SEQUENCE LENGTH: 148
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
	CLONE: HUMGS02319
	SEQUENCE DESCRIPTION:
50	GATCTAACAT CAAACTAACA GCTTTCAGAA AGGAGACTNT TGNCATCTTT TCACCAAGGA 60

	GTATATTTGT AGAGTAATAT TGAGGCTTAT TTAAGCTGGA		NTTTNAAATT	ATATCATTTG	ACATGATTTA	120 148
5						
•	SEQ ID NO:2038					
	SEQUENCE LENGTH: 143					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS02321					
	SEQUENCE DESCRIPTION:					
	GATCTGGTCT AGTTAACCTA	GAAGTATTTT	TGTCTCTTAG	AAATACTTGT	GATTTTTATA	60
	ATACAAAAGG GTCTTGACTC	TAAATGCAGT	TTTAAGAATT	GTTTTTGAAT	TTAAATAAAG	120
15	TTACTTGAAT TTCAAACATC	AAA	•			143
	1	•				
	SEQ ID NO:2039					
	SEQUENCE LENGTH: 142					
	SEQUENCE TYPE: nucleic	acid	•	•		
20	TOPOLOGY:linear					
	CLONE: HUMGS02322	_				
	SEQUENCE DESCRIPTION:	•				
	GATCTGGAGG AGGTGAAGGC					
25	CATGCTCTCC AAACCACTTT		CTCTAGTTCA	AGTTCACCAG	ACTCTATAAA	
	TAAAACCTGA CAGACCATGA	AA				142
	070 IR NO 0040					
	SEQ ID NO:2040					
30	SEQUENCE LENGTH: 156					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS02323					
	SEQUENCE DESCRIPTION:					
0.	GATCGAAAGA AGAACATCAT	GAAAANAAA	TNAACTTTGC	TTAGTGGATT	AGACTCCTTT	60
35	GCTGAAGTCA GTTATTCATC					
	AAGATATAAT AAATAAAAGC					156

	SEQ ID NO:2041					
40	SEQUENCE LENGTH: 138					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUNGS 02324					
45	SEQUENCE DESCRIPTION:					
	GATCTCTCCT TCAGTCTGCT					
	CCTAATTGTA CACAGTTTAG	TGATATCTAG	GAGTATAAAG	TTGTCGCCCA	TCAATAAAAA	
	TCACAAAGTT GGTTTAAA					138
50						
50	SEQ ID NO: 2042					
	SEQUENCE LENGTH: 137	*				

5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02325 SEQUENCE DESCRIPTION: GATCCACAGG CAGAGCCAAG GGAAGGTGTG ATTCTNTGAG GAAAGAGTGA TTCTGATATA 60 TGTACTTGTC ACATTGGTGT TGGACACATT TGCGCCAAAA GTATGGTAAT NCTATTATNA 120 AATAATTCTC TGAGAAA 137	
10	SEQ ID NO:2043 SEQUENCE LENGTH:134 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02326	
. 20	SEQUENCE DESCRIPTION: GATCCAAACT GGAANCAGCT CAAATNTCCA TCAATAGCAG AAAGATAAAC AAATGTNGGG 60 ATGTNCAGAG CTTGAAATAT GACACANTAT AAAAGGACAA ACTATTAAAA CTCACAACAG 120 CATGGATAAN TCTN 134	
25	SEQ ID NO:2044 SEQUENCE LENGTH:133 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02327	
30	SEQUENCE DESCRIPTION: GATCCAAGCA GGCCTTGAAT GCAATNGCAA GTGGTTTATA GTCCCTTGCT CTTACAACTT 60 GCAGGGACAT GTGGTTATTT AGAAATTGTG ACTGAGCGGA CCCAAGAATN TAAATAATAT 120 TCATAAACCT AAA 133	
35	SEQ ID NO:2045 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02328	
40	SEQUENCE DESCRIPTION: GATCACCTGT AGGGAAATGA AGTGTNCCCT GGAACAAGGA GGTGGGGGCA NTGTGGCCCC 60 TTCCCCAACT GGGGGTGGAC AGCTGTNTCC TGGGGTGGGT TGGTATTAAA GAGGAAAGCN 120 ATTTTTTGGA AA 132)
45	SEQ ID NO:2046 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02329	
50	SEQUENCE DESCRIPTION: GATCCCAGGA ACTGTGGGCA CCCATTTCT GTGTCTCCCA GCCCATTTCC ACTCCTAGTT 6	0

	TGTCATGGAT AATNTTTGTT ACTCGTTAAA	GTTCCCTGTG	TGATTTTTGC	CATCAAAATA	AAAATTTGAG	120 130
5	SEQ ID NO:2047 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02330	acid				
10	SEQUENCE DESCRIPTION: GATCCAAGGT CAAAAAAACA ATCTTACTGC TAATTCATTG GTCAATANTN					60 120 130
15						
20	SEQ ID NO:2048 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02331	acid .				
25	SEQUENCE DESCRIPTION: GATCAGATAT ACAAAAATAA TTTGAAAATT TTTACCAAGA AAGCAATAAA					
30	SEQ ID NO:2049 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02332 SEQUENCE DESCRIPTION:	acid				
35	GATCTATATT CCCTTATTGC TTCAGTGTAC TCATATGTCT ATAGAGAAA					60 120 129
40	SEQ ID NO:2050 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02333 SEQUENCE DESCRIPTION:	acid				
45	GATCAAAAGC TTATTCNTTT AAANANATAA TTTTTTTTAA TGGAAAGAN					
50	SEQ ID NO:2051 SEQUENCE LENGTH:148					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02334 SEQUENCE DESCRIPTION:	acid				
	GATCTGAACA CCACAGCCCC AGTGCATGGA GAGAAAATTT ATCATTAAAT TGTTTTATTT	TGTCCTCTTG				60 120 148
10						
15	SEQ ID NO:2052 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02336 SEQUENCE DESCRIPTION:	acid				
	GATCCANCTN TNTCAACCTC	CCAAGTAGGA	TTACAAGCAT	ACGCCGACGA	TGCCCAGAAT	60
20	CCAGAAACTTT GTCTATNACT CCAGAAAACA AA	CTCCCCAACA	ACCTAGATGT	GAAAACAGAA	TAAACTTCAC	120 132
25	SEQ ID NO:2053 SEQUENCE LENGTH:126 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02337 SEQUENCE DESCRIPTION:	acid				
30	GATCCATCCT TCCTGCCTCC ATTTTCTTAA CGTGTACAGA AGGAAA					60 120 126
35	SEQ ID NO:2054 SEQUENCE LENGTH:126 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02338	acid				
40	SEQUENCE DESCRIPTION: GATCAAAAAA GCTCACGTCG TTGTACCAGA ATGGAATTT CCCAAA					60 120 126
45	SEQ ID NO:2055 SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02339	acid				
50	SEQUENCE DESCRIPTION: GATCAAATCT TACAGTTCAT		ATGTTGGTGA	TAAATNCTAT	AAAAGTAATA	60

	GGGGTGGTAA GAACATCAGA GANTCCACAC AGGAAAAAAA ATCTATAAAA NGATTCTTTG 12 TGAAA 12	20 25
5	SEQ ID NO:2056 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02340	
10	CCCTCCAACC AGAGTTGTGT CTAACTTTAG GCATCTTTTA ATAAATNTNA TTGCGACTCT 12	60 20 24
15	SEQ ID NO:2057 SEQUENCE LENGTH:207 SEQUENCE TYPE:nucleic acid	
20	TOPOLOGY: linear CLONE: HUMGSO2341 SEQUENCE DESCRIPTION:	
25	GATCACTTCT GAATAAGCAG TTTGCCTTTA TAAAAAACTTG CTGCCTGNCT AAAGATTAAC 6 AGGTTATAGT TTAAATNTGT AATTAATGCT ACCATCTTGC AATAAAGTGA CAATTGAATG 12 NAACAGGGTT TTTCAAGTTG TATAATTCTC TGAAATACTC AGCTTTTGTC ATATGGGTAA 18 AANTTAAAGA TGTCATTGGN CTACAAA	10
30	SEQ ID NO:2058 SEQUENCE LENGTH:120 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02342	
35	SEQUENCE DESCRIPTION: GATCTTTACT CTTGAGAAAT GAATAAGCTT TCTCTCAGAA ATGCTGTCCC TATACACTAG 6 ACAAAACTGA GCCTGTATAA GGAATAAATG GGAGCGCCGA AAAGCTCCNT AAAAAGCAAA 12	020
40	SEQ ID NO:2059 SEQUENCE LENGTH:119 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02343 SEQUENCE DESCRIPTION:	
45		60 19
	SEQ ID NO:2060 SEQUENCE LENGTH:127	
50	SEQUENCE TYPE: nucleic acid	

5	TOPOLOGY:linear CLONE:HUMGS02345 SEQUENCE DESCRIPTION: GATCCCCTCT TCTCAGACAG CGCCAGGCCC GGGTTGGGG CCGAGCCCCA 60 CAGCTGCCCC CCTCCCNTCC CNTTTTGTAT AATTTAATAA AGAAATGGTC GCGCTTCTGT 120 TTTTAAA 127
10	SEQ ID NO:2061 SEQUENCE LENGTH:117 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
15	CLONE:HUMGS02346 SEQUENCE DESCRIPTION: GATCGAGGTG GAGAAGATGC GGCGGGCGGA GNCTTATNAC CGNNTAGAGA ACAGCCCACA 60 GNTGGATGGG AGCCCCCCAG GGCTCGAGGG TCTGCTGGGG GGCATTGGGG AGAAAGN 117
20	SEQ ID NO:2062 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02347
25	SEQUENCE DESCRIPTION: GATCTGCTGA GGACACATGC GCTTTTGTAG AATTTAACAT CTGGTGTTTT TCTGAAAAAA 60 TATATATACA TATATTGCTT TATTTGAAAC AAATNAAAAT ATGCTGCATT TGAAA 115
30	SEQ ID NO:2063 SEQUENCE LENGTH:114 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
35	CLONE:HUMGS02348 SEQUENCE DESCRIPTION: GATCTGGAGG AGGTGAAGGC CAAGGTGCTG CCCGCTGGGC CTCCCAACGG GCCCTCCTCC 60 CCTCCTTGCA CCGGCCCTTC CTGGTCTTTG AATAAAGTCT GAGTGGGCGG CAAA 114
	SEQ ID NO:2064 SEQUENCE LENGTH:114 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
45	CLONE: HUMGS02349 SEQUENCE DESCRIPTION: GATCCAAAGT ATCAGGTCTG TTAGTGGCCA TCAGCACTTT AATATTGCCT CGAGGAGGAT 60 TTCTTGGNCN CNNNAAATAA GGTCATTAAG TCTTATGCCA AATTCAGTGC TCCN 114
50	SEQ ID NO:2065 SEQUENCE LENGTH:113

5		SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02350 SEQUENCE DESCRIPTION: GATCCTAGAT AAGCAGGTGA	AATTTAGGCT				60
		CCTTGGAAGC TGGTGAAGTC	CTGTTCTTAT	TATGAATCCA	TTCATTCAAG	AAA	113
10		SEQ ID NO:2066 SEQUENCE LENGTH:109 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15		CLONE:HUMGS02351 SEQUENCE DESCRIPTION: GATCTACGCT GTGCCTTGGC CTAGGGGTCT GAACCGGGCT				GTTAGAACGC	60 109
20		SEQ ID NO:2067					
	,	SEQUENCE LENGTH: 108 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS02352	acid .	-			
25		SEQUENCE DESCRIPTION: GATCCCAAGG CCTAGCCTGT GTGGAATTCC TGGTCAANTT				NNAATGGGAA	60 108
30		SEQ ID NO:2068 SEQUENCE LENGTH:108 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35		CLONE: HUMGS02353 SEQUENCE DESCRIPTION:					
		GATCTTAAGC AAAAATACTC TATGGTTTCT TTGTAAATAA				CTTACAATTT	60 108
40		SEQ ID NO:2069 SEQUENCE LENGTH:104 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45		CLONE: HUMGS02354 SEQUENCE DESCRIPTION: GATCCTNGGC TCCACCTGGG				AGCTGCCCTT	
		GTCCTNCCAG GACCCCCNCC	TGGCCACTGC	CCGCCTACTN	NCTN		104
50		SEQ ID NO:2070 SEQUENCE LENGTH:408					

	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUNGS02355					
5	SEQUENCE DESCRIPTION:					
	GATCAGAGCT GCTGAGTTCA	GGATGCCTGC	GTGTGGTTTA	GGTGTTAGCC	TTCTTACATG	60
	GATGTNAGGA GAGCTGCTGC					120
	CTTTGGCCAG AGAGCTGGTT					
10	GTGCCCCTGT GGTGGAAGAG					
	GCAGGGGTGG GATGTGAGTC	ATGCGGATTA	TCCACTCGCC	ACAGTTATCA	GCTGCCATTG	300
	CTCCCTGTCC TGTTTCCCCA	CTCTCTTATT	TGTGCATTCG	GTTTGGTTTC	CTGTAGTTTT	360
	AATTTTTTAA TAAAGTTGAN	TAAAANTATA	AAAANAAGAG	NNGGCGNN		408
15	SEQ ID NO:2071					
	SEQUENCE LENGTH: 101					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02356					
20	SEQUENCE DESCRIPTION:					
	GATCAAAAGC TTATTCATCT	TTTTTCTTTT	TCCTTTGGTG	TAAAGCCAAC	ACCCTGTTTA	60
	AAAANCATAA TTTCNTTAAN					101
25	SEQ ID NO:2072					
	SEQUENCE LENGTH: 102					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02357					
30	SEQUENCE DESCRIPTION:	`				
	GATCAAAAA AGAGTTTGAA	GCTAATTTTG	GCAAAATTCA	GGCCAAAAAA	GTAAGGCCAT	60
	TATTTAACCC TGTGGCACCA					102
35	SEQ ID NO:2073					
	SEQUENCE LENGTH: 95					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
40	CLONE: HUMGS02358					
40	SEQUENCE DESCRIPTION:					
	GATCTTTTT GTCAGTTTGT			TATTTGTTAA	TAGTTCCTGC	60
	TAAAACAATG AATAAAAACT	CAAGGAGCAA	CTAAA			95
45	SEQ ID NO:2074					
	SEQUENCE LENGTH: 92					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
50	CLONE: HUNGS02359	•	•			
30	SEQUENCE DESCRIPTION:					

		60 92
5	SEQ ID NO:2075 SEQUENCE LENGTH:101 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02360	
10	SEQUENCE DESCRIPTION: GATCTAAGTT AGGAAAGACG ATGGAGGTGG AATCCTTTAA GATTATNTCC AGTTATTTGC 6 TTTAATAAAG AAGAAGTTAC CCTTGTCAAA ATCAGAACAA A 10	
15	SEQ ID NO:2076 SEQUENCE LENGTH:87 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
20	CLONE:HUMGS02361 SEQUENCE DESCRIPTION: GATCTTCATT TATTTTAATG GTAATGGTTT TAAAATATGT TCCTGATTGT ACATATTNTA 6	60 37
25	SEQ ID NO:2077 SEQUENCE LENGTH:88 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
30		60 88
35	SEQ ID NO:2078 SEQUENCE LENGTH:85 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02363	
40	SEQUENCE DESCRIPTION: GATCCCATTT AATATTTAAA AAAATCAGTA GCACAAATAT ATNTNAATTG TCAACTTACA	60 85
45	SEQ ID NO:2079 SEQUENCE LENGTH:82 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
50	CLONE:HUMGS02364 SEQUENCE DESCRIPTION:	

	GATCATCAAA AAAGAGGTAA AACTTCAACT TTCTAAGTTA		TTCCTATTCT	AATGTCTTTT	CCTAATAAAA	60 82
10	SEQ ID NO:2080 SEQUENCE LENGTH:80 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02365 SEQUENCE DESCRIPTION:	acid				
	GATCCTTTCG GAATTGCACT TAAAGGAAAA TAGATGGAAA	TTTACATGTT	GGGCGAATTT	GTGTCCGTGC	TGAAGTTTAT	60 80
15	SEQ ID NO:2081 SEQUENCE LENGTH:80 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02366	acid				
20	SEQUENCE DESCRIPTION: GATCAAGCCT TGCTTGAGAT AATNCTGTTT ATTGTTTAAA	TGGCCTTACC	TCTGGNCNTT	TTTTGTTATA	TGAGCTAATA	60 80
25	SEQ ID NO:2082 SEQUENCE LENGTH:80 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02367	acid				
30	SEQUENCE DESCRIPTION: GATCCATGAA GTNATTCAGT CTCACTATAC AATGGTCAAA	GGAAANATGC	ACGTTNATAC	TATTTNAGAG	CACAAATAAA	60 80
35	SEQ ID NO:2083 SEQUENCE LENGTH:76 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02368	acid				
	SEQUENCE DESCRIPTION: GATCAAACCT CAAAGCAGCT ACATTATCAC CNTAAA	TTNACTTGGA	ATŢTAAAAAT	AAACAGTTCA	AAGATACTCT	60 76
45	SEQ ID NO:2084 SEQUENCE LENGTH:70 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE: HUMGS02369 SEQUENCE DESCRIPTION:					

	GATCCATTTC ATGCAGGATT GTGTTGTTTT AACTGTTGTT GAGGAAACTA ATAAATAATT AAATTGTAAA	60 70
5	SEQ ID NO:2085 SEQUENCE LENGTH:64 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	CLONE:HUMGS02370 SEQUENCE DESCRIPTION: GATCTAAGAT GTCCCAGGTC CTGGGAAGTT TACTCAATAA AGCTGGCTTT CCCCTGCCCT CAAA	60 64
15	SEQ ID NO:2086 SEQUENCE LENGTH:64 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
20	CLONE:HUMGS02371 SEQUENCE DESCRIPTION: GATCCGTTGT AATGATGTGA ACATTTTATG AGTTTAAATA AAGTCATCTT ATGGTGTCAT TAAA	60 64
25	SEQ ID NO:2087 SEQUENCE LENGTH:61 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
30 .	CLONE:HUMGS02372 SEQUENCE DESCRIPTION: GATCTTAAAA TCAGTGATTA TCTTTTTCTA AATAAAATAT CACCAGAATT CATCAGTTAA A	60 61
35	SEQ ID NO:2088 SEQUENCE LENGTH:60 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40	CLONE:HUMGS02373 SEQUENCE DESCRIPTION: GATCTAAGAT GTCCCAGGTC CAGGAAGTTT ACTCAATAAA GTGGCTTTCC CTGCCANAAA	60
45	SEQ ID NO:2089 SEQUENCE LENGTH:66 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS02374	
50	SEQUENCE DESCRIPTION: GATCTCCGGG CAGCCACCAC CTCCTCGGTC TGCCCCCTCA TTAAAATTCA CGTTCCCACC	60

	CTGAAA	66
5	SEQ ID NO:2090 SEQUENCE LENGTH:59 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	CLONE:HUMGS02375 SEQUENCE DESCRIPTION: GATCATGCAA AGAAAACTTC CAAAAAGATT TATTAACTTA AACCAGCCTC TNINGCAAA	59
15	SEQ ID NO:2091 SEQUENCE LENGTH:74 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02376	
20	SEQUENCE DESCRIPTION: GATCTCAAAT TGCCTCTGAA CCTTTTATAA GACAGTTTAT CTTCAAATAA ATTTATTTTG CAATACCACG CAAA	60 74
25	SEQ ID NO:2092 SEQUENCE LENGTH:56 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02377	
30	SEQUENCE DESCRIPTION: GATCAAAGTC TATTTTGCAT AAAATGTCCA ATAATTAAAT ATTGTTATAA AATAAA	56
35	SEQ ID NO:2093 SEQUENCE LENGTH:55 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02378 SEQUENCE DESCRIPTION:	
40	GATCGGCAGT TGGGAGGGGC GCTCTGAGAT TAAAGAGTTT TACCTCTGAG ATAAA SEQ ID NO:2094	55
45	SEQUENCE LENGTH:54 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS02379	
4 0	SEQUENCE DESCRIPTION: GATCCANTCT TTGACAAACT GAAAAGAACT GAAAATAAAC ATTGCTCTTT CAAA	54
50	SEQ ID NO:2095 SEQUENCE LENGTH:52	

	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
5	CLONE: HUMGS02380 SEQUENCE DESCRIPTION:					
	GATCCCTGCC CCTCCCCACT	GGGACGGAAT	AAATGCTCTG	CAGACCTGGA	AA	52
	SEQ ID NO:2096					
10	SEQUENCE LENGTH: 266					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS 02382					
15	SEQUENCE DESCRIPTION:	4044744400	0100110000	D. 000. 0000		
	GATCTGCTTA TAGAGCAGGA					60
	GGAAGTGTGN CCAGGCTTCA AATGTAAAAT TTAAATGGGG					
	CTGCTATCAT TGCTATGTAT					
20	ANGACACTTG GCATTCAAAG		AUACIAIUAI	UIIAAIAAAA	UNANGIACAG	266
•	SEQ ID NO:2097					
	SEQUENCE LENGTH: 451					
25	SEQUENCE TYPE: nucleic	acid				
20	TOPOLOGY:linear					
	CLONE: HUMGS02399					
	SEQUENCE DESCRIPTION:					
	GATCTAGAGA GTGCTCAGAA					
30	GAAACAACTG TTTTAAGATT					
	AGAGTGCATA CCAGAATTGA					
	ATCANNGNGC TGGAGACTAC					
	GAACAGTCTC CAATCTATGT					
35	ATATCAACCT GTAAACATGT					
	AGGAANATTC TGATTTTNTA TCATGTGGTT TCTTTCTCAA			GATTATANCN	IGITIGCAAG	420 451
	TCATGIGGTT TCTTTCTCAA	ANNUUUUUNNA	N			451
	SEQ ID NO:2098					
40	SEQUENCE LENGTH: 441					
	SEQUENCE TYPE: nucleic	acid				
,	TOPOLOGY: linear					
	CLONE: HUMGS02400	•				
45	SEQUENCE DESCRIPTION:	BEA - BEECAR				
	GATCCCAAAC TGTTCCCTTT					
	GGTGAATAAA CAGTTGTNAT TTTCAATACA CTTATACAGG					
	GATTCACAGA ATTCTGAGAG					
50	GCATTTCCTG CCTTGTGAAA					
	ACTITATATC ATTGTATANT					

	TAGCAAAACC NTTGGNAATA CTTGGCTGGT AACNCCTAAG		CNANACCNCC	CTNNATGTAA	ACCTGGTATG	420 441
5	SEQ ID NO:2099					
	SEQUENCE LENGTH: 440					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS02401					
	SEQUENCE DESCRIPTION:					
	GATCTATGTC TNCTGCCTGG	CTCCTAGATG	GCTCTCCGGG	CAGGTNCTGG	CCAAGGACAT	60
	CATCTAGGCA GGGGGAGAGC	CTGGNCTGAA	CAGCTGTNAC	CAAAACTCCC	TTCTNCCCCA	120
15	CCCTGCCCCC TCCACTTCCT	GCCCTCTGTT	CCATCTTCCC	CCTTCCCAAA	GGCCACAGCC	180
15	TTTATTCCAG GCCCAGGGAT	${\tt GTAGGAGGGG}$	${\tt GAAGGAGGAA}$	ACAGGAAGCC	CAGAGAGGC	240
	AAAGGCCTA CCTCGGGGCG	CGAACCATGC	CCCANACTAT	TATCTCAGGG	CTTTCTGGGC	300
	ACTNGCACTT CAGCGTGGCC	CACCTGCCCA	TGCCCTGAGG	CCAGTTNGCG	AGGGGTGGCT	360
	CCTGAGGGTT TTTATAACCT	TTGTTTGNTA	ATGTTTAATT	TTTGCATCAT	AATTTCTACA	420
20	TTGTCCCTGG AGTGTAAGAN					440
	SEQ ID NO:2100					
	SEQUENCE LENGTH: 411					
25	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear		•			
	CLONE: HUMGS02402					
	SEQUENCE DESCRIPTION:					
	GATCAAAAGG CTGAAAGGTT	TGCTCACCCA	GCACGGCATC	CCCTACACGA	GGCCCACAGA	60
30	AACTTCCAAC TTGGAGCACT	TGGGCCACGA	GACGCCCAGA	GCCAAGTCTC	CAGAGCAGCT	120
	GCGGGGTGAC CCAGGACTGC					
	CGNGGCCGAG AGCCCTACAG					
	CTTGTGCTCA GAGAAGCAGA					
35	TAAAAATAAC TCCATGAATT					
	AACCAAGTGT TACTTTAAAC	AGTTCGTACA	AGTAATGNTT	ATAATTCTAA	A	411
	SEQ ID NO:2101					
	SEQUENCE LENGTH: 408					
40	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS02403					
	SEQUENCE DESCRIPTION:				m.mama	~~
45	GATCTGGAAA GCTTGAGCCT					
	GCCCTGGAGT ACTATGAGCG					
	CAAGGTCCTT AGGCACCCAG					
	ATTTACTAAT CATCTTTCT					
50	GTAATTCTTG AATAATAAAT					
50	AATGTGTGTA TGCATGTAAG				VATVAVAVAV	408
	AAATGTTAGT TAACTTTGTA	ΑΛΛΛΙΛΛΟυ	CATIGRACII	VCVC I VVV		700

5	SEQ ID NO:2102 SEQUENCE LENGTH:397 SEQUENCE TYPE:nucleic aci TOPOLOGY:linear CLONE:HUMGSO2404 SEQUENCE DESCRIPTION:	id		
10	GATCCGAGAG GTGGCCAACA AAG GGCCATGCAC TCTATCCGGN AGA CTTCAAGGGC TTCTTTAAGC TGT CCTCTTGGAA AGACTTCTCT GCC CTGAAGCTGG ATTATTAAAG TGG GACTAGAGGA GTGGGAGTTG AGC AGGTGGAGGA GGCCACACTC CTG	ATGGCCTG CACCACAGGA TTCCCTTC TCTAAGCCAT CATCCCTT TGCACCTGAN GATTGTAA CTCAGACTCT CCTGGCTT GAACCTTTGG	GTCCTCCANA CCCTNACC AATCTCTNAG TGGATTGA AGGGGAAGTT CTCAGCTG CCGTGCTACG CTTATTTG	CT 120 GC 180 AG 240 GA 300
	SEQ ID NO:2103			
20	SEQUENCE LENGTH:219 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO2406	đ		
25	SEQUENCE DESCRIPTION: GATCAGCCCT TTTTCCCATC CTGG TTTCTGCCTN GTTCTATGGT GTGC CCGAGCTGGA ATCCTAGAGC ATTC CATGTAACAG GAAATTAAAT GGGA	TGGATGT GTGTGCATGA GCTGCCC TGGGGCCTGA	ATCTGTCATA TAGAGGGG	GT 120
30	SEQ ID NO:2104 SEQUENCE LENGTH:380 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear			
35	CLONE: HUMGS02408 SEQUENCE DESCRIPTION: GATCCTACCT CCAACTCCTG ACTC	CTATAGG TCTCACTCTT	TTTTTATTGT CCTANNNN	ra 60
40	CATAACATAA AATTTATAAA TTTA TCACACTGAT GTGCAACCAT CATT GAAAAGCTGT ACCCATGAAA CAAT CTATTCTACT TTCTGTTTCT ATGA ACCAATATT TGTCCCTTTG TGTC	AATATTC TAGGGTATAG : TATCATC CATTCCCAAA : TAACTTC CATTGCCTCC : AATTTGA CTGTTCTAGG :	TTCAGTGGTA TTAAGTAC/ ACTTTTCATC ACCGCAAA1 CCCTCAGCCT TTGGTAACC TACCTCATAT AAGTGGAA1	TA 120 TA 180 CT 240 TC 300
45	TGTACTGTAC CATGTATCAN SEQ ID NO:2105 SEQUENCE LENGTH:378 SEQUENCE TYPE:nucleic acid	d		380
	TOPOLOGY:linear			

	SEQUENCE DESCRIPTION:					
	GATCTGTGCT CTCCTAGCCC	AAGAGACCCC	TGGAGGGGCT	GGAGTTTTAT	CCAGCGNCTC	60
	GTCGTATGTT TGGCTGAGCA					
5	CCCACTATGC AGAGGCCAAA					
J	ATCTGTGTNA CTGNTCTGTG					
	AGTAACACAC CAGGTACCCA					
	GAATTCCTCA ANGNTGTGNC					
	CACCAATCAG GGTTGAGN		•			378
10						
	SEQ ID NO:2106					
	SEQUENCE LENGTH: 374					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
75	CLONE: HUMGS02411					
	SEQUENCE DESCRIPTION:					
	GATCCAGAAG TACAAGGTGG	TCCTGGCCCC	GGAGACGGNG	GAGTTGAAGA	GTGTGGCCCG	60
	CATTGTCCTG GTTCCCAATA					120
20	TGAGTCTCCG CCTTGCTGGG	GCTTGTCCTA	GAGGCTCCAG	CTCTGGCACA	GTGGTTCCTG	180
	GCTGCTGCCA TGTCTCANAT	GAGGAGGGAG	AGAAGGAGGC	CGCCAGACTC	GAGAGGTGGG	240
	AGGAACTCCT TGCACACACC	CTGAGCTTTT	GCCACTTCTA	TCATTTTTGA	GAACTCCCTC	300
	TCAGCTAAAA GGCCACCCTT	TTATCGAATG	CTGTCCTTGG	GAAGATATAA	AATAAAGGGC	360
25	TNTTATTTCT TAAA					374
	SEQ ID NO:2107					
•	SEQUENCE LENGTH: 369					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear					
	CLONE: HUMGS02412					
	SEQUENCE DESCRIPTION:					
	GATCCAGCCC GACCTGCGAG					60
35	GACTTTGAGG GCCGCCAGAC					
	CAGATGAGCT GGACGACTCA					
	CGCCTTCANC CGCTTCCTNA					
	CTGAGGCNTG GTCCTGGTCC					
	GAGTGGCTGT CTGGNTCTGC	TTTGGGTAAG	ACTTTGGGGC	CGGCCTCCCA	NAATAAGGTG	360
40	TCTCGGAAA					369
	000 ID NO 0100					
	SEQ ID NO:2108		•			
	SEQUENCE LENGTH: 368					
45	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02413					
	SEQUENCE DESCRIPTION:	*****	maaaa	BB0000000	000000-00-	
50	GATCAGAGCC AAGAAGCGTC					60
50	GCCCCGCCCA GCTCCCTTTG	ACCUCTGGGG	CAGGGCAGGG	GGCAGGGAGA	GACAAGGCTG	120

	CTGCTATTAG AGCCCATCCT	GGAGCCCCAC	CTCTGAACCA	CCTCCTACCA	GCTGTCCCTC	180
	AGGCTGGGGG AAAACAGGTG					
_	TGTGTGTGTN TGTGTNANAG					
5	GTTNTTGGAA TTGNNTTCCC					
	AACCCAAA					368
	SEQ ID NO:2109					
10	SEQUENCE LENGTH: 368					
	SEQUENCE TYPE: nucleic	acid			•	
	TOPOLOGY: linear					
	CLONE: HUMGS02414					
	SEQUENCE DESCRIPTION:					
15	GATCACAGGA AGTGGAGGAG	CCAGAGGTGC	CTTTGTGGAG	GACAGCAGTG	GCTGCTGGGA	60
	GAGGGCTGTG GAGGAAGGAG					
	CTAGAGAAGA GCTCAACTCT					
	ACTGAGGCAC TNAGGCCCTA					
20	GATGCTTGAA GGAAGGGAGG					
	GTCACTATGA GCTTAAGAAA					
	NATGTTTN	•				368
0.5	SEQ ID NO:2110					
25	SEQUENCE LENGTH: 368					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02415					
30	SEQUENCE DESCRIPTION:					
	GATCTTGGTT TTGATGTGGA	CATAGGCCCT	CTTTTCCAGA	CTCCTCGTGA	AGTGGCCCAG	60
	CAGGCTGTGG ATGCGGATGT	GCATGCTGTG	GGCGTAANAC	CCTCGCTGCT	GGTCATAAAA	120
	CCCTAGTTCC TGAACTCATC	AAAGAACTTA	ACTCCCTTGG	ACGGCCAGAT	ATTCTTGTCA	180
	TGTGTGGAGG GGTGATACCA	CCNTCAGGAT	TATNAATTTC	TGTTTGAAGT	TGGTGTTTCC	240
35	AATGTATTTG GTCCTGGGAC	TCGAATTCCA	AAGGCTGCCG	TTCAGGTGCT	TNATGATATT	300
	GAGAAGTGTT TNGAAAAGAA	GCAGCAATCT	GTATAAAATA	AAAATATCAC	AAGAGAACAC	360
	CTGTACTN					368
40	SEQ ID NO:2111					
	SEQUENCE LENGTH: 365					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear				ŗ	
45	CLONE: HUMGS02416					
	SEQUENCE DESCRIPTION:					
	GATCGAAAGA AATCTAAGTG					
	AAATAGTATT TCCTTTCCCC					
	TCCTCTGATG AAGAGTGTCC	TTCCGTTTCT	AAGGTCTTC1	CAATCTCAGO	AATAGAGCTT	180
50	CCCAGCAGCG TTCAAGACAC	ATCATTATA	CACAGGCACA	GGGGCCTTCC	TGAAATGGGT	240
	GCATTTTTAC CAACTACAAT	CATGTAATTI	TTTTGGAAA1	TAAAATTTTT 1	TTTCGNTNCT	300

	TTACATTACA ATTGGGTGAA ACACATTTTA CAGCTCTCAA TAAATGTTTG CTGGTCGCTC 360
	TGAAA 365
5	SEQ ID NO:2112
	SEQUENCE LENGTH: 363
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS02417
10	SEQUENCE DESCRIPTION:
	GATCAACGAT TACGTGGAGA AGGGTACTCA AGGGAAAATT GTGGATTTGG TCAAGGAGCT 60
	TGACAGAGAC ACAGTTTTTN CTCTGGTGAA TTACATCTNC TTTAAAGGCA AATGGGAGAG 120
	ACCCTTTGAA GTCAAGGACA CCGAGGAAGA GGACTTCCAC GTGGACCAGG TGACCACCGT 180
15	GAAGGTGCCT ATNATGAAGC GTTTAGGCAT GTTTAACATC CAGCACTGTA AGANGCTGTC 240
	CAGCTGGGTG CTGCTGATGA AATACCTGGG CAATGCCACC GCCATCTTCT TCCTGCCTGA 300
	TGAGGGGAAA CTACAGCACC TGGAAAATGA TTGACCAAAA TACCAAGTCT CCCCTTCTTC 360
	ATN 363
20	SEQ ID NO:2113
	SEQUENCE LENGTH: 362
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
25	CLONE: HUMGS02418
	SEQUENCE DESCRIPTION:
	GATCCCAGTC GCATACCAGG TGTCCTCCTC CAGGTCGTGA ACGGCAAAGG CACTGCCCGC 60
	ATCGCCATAG CAGGTGTCTT CTTGGTACTT AGACATGCCA GCACAGAAGG TGTGTTCATT 120
30	CAGTATGGGC TGCACCCCTA CAGGGCTCTT CGGTGTCTTC CATCCAGGAC TGGGTTCAGA 180
30	AGACCATAGC TGAGAACTAA TGCAAGGCTG GCCGGAAGCC CTTGCCTGAA AGCAAGATTT 240
	CAGCCTGGAA GAGGGCAAAG TGGACGGGAG TGGACAGGAG TNGATGCGAT AAGATGTGGT 300
	TTGAAGCTTG ATGGGTGCCA GCCTGCATTG CTGAGTCAAT CAATAAAGAG CTTTTCTTTT
	GN 362
35	SEQ ID NO:2114
	SEQUENCE LENGTH: 362
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
40	CLONE: HUMGS02419
	SEQUENCE DESCRIPTION:
	GATCNGACAG GCACCAGCAA TGACACAGCA TAAACTGTTG GGCACAGGAA AGAGGCTTGA 60
	CACCACCAGC CCACCAGGAA ATGCAGTTCA GCCACCACGA GGACACGAGG AACCTGCACC 120
	ACAGCCGCAG TCAAGAGAAT GCTGGTGGTG CCAAGNTGCA GGGTGTGGCC TGCTGGAATG 180
45	GAAGCGCATG GTGGTNNCTA TAAAGTCAAT GNCACAGCAC ATGCCCAGCA ATCCACTGTG 240
	GGATTNGNGA TGANACTANG CNCATAAAAC TGTNCGAATT TTNCTGTGCT TTTCATATCN 300
	TCAATNTGAA TCAANTGCTT CATTGGGTAC TGTAACTGTG GNTACTTNAG TGAATCTCTN 360
	TN 362
50	
•	

	SEQ ID NO:2115	
	SEQUENCE LENGTH: 355	
	SEQUENCE TYPE:nucleic acid	
5	TOPOLOGY: linear	
	CLONE: HUNGS02420	
	SEQUENCE DESCRIPTION:	
•	GATCATATAG TAGGTTTAGG TTTAACTTTT TAAGAAATTG CCAAGCTTTT CCAAAGTGGC 60	^
	TGTCCCTCTT TACATTTCCA CCAGCAATGT ATAATGAATG GTTCAGGTTC CTCCACATTC 120	
10	TTGTCGGCAC TTGGACTTTT CTGTTTTGTT GTAGCCATTC TAGTGGATGC AAAGTGGCAT 180	
	CTCATTATGG TTCATTTGCA TTTCTCTGAC AACTAATGAT TTTGAGCATC TTCATGCGAT 240	
	TGTTAACCAT TTGTATATCT TTAGTGAAAT ATCTATTCAA TTATTGCCCA TTTTTAAATT 300	
	GGNTCACATG GCTNATTAAT GNATTGTAAG AAAGGTTTAC ATATTCCTGG ATACN 355	
15	· · · · · · · · · · · · · · · · · · ·	•
	SEQ ID NO:2116	
	SEQUENCE LENGTH: 350	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
20	CLONE: HUMGS02421	
	SEQUENCE DESCRIPTION:	
	GATCATGATT TTGTAGTACA GGAAGACTTC ATGAAAGCAG TCAGAAAAGT GGCTGATTCT 60)
	AAGAAGCTGG AGTCTAAATT GGACTACAAA CCTGTGTAAT TTACTGTAAG ATTTTTGATG 120	
25	GCTGCATGAC AGANGTTGGC TTATTGTAAA AATAAAGTTA AAGAAAATAA TGTATGTA	
	GGTAATGATG TCATTAAAAG TATATGANTA AAAATATGAG TAACATCATA AAAATTAGTA 240	
	ATTCAACTTT TAAGATACAG AAGAAATTTG TATGTTTGTT AAAGTNGCAT TTATTGCAGC 300	
	ANGTTACAAA GGGGAAGTGT TGAAGCTTTT CATATTTGCT GCGTGACATN 350	J
30		
30	SEQ ID NO:2117	
	SEQUENCE LENGTH: 375	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
35	CLONE: HUMGS02422	
	SEQUENCE DESCRIPTION:	
	GATCCGCAGN CAGAAGCTCT GCCCTTCTGT ATCCTATGTA TGCAGTGTNN TTTTNCTTGC 60	
	CAGCTTGGGC CATTCTTGCT TAGACAGTCA GCATTTGTNT CCTCCTTTAA CTGAGTCATC 120	
40	ATCTTAGTCC AACTAATGCA GTCGATACAA TGCGTAGATA GAAGAAGCCC CACGGGAGCC 180	
	AGGATGGGAC TGGTCGTGTT TGTNCTTTTN TCCAAGTCAG CACCCAAAGG TCAATGCACA 240	
	GAGACCCCGG GTGGGTGAGC GCTGGCTTCT CAAACGGCCG AAGTTGCCTC TTTTAGGAAT 300	
	CTCTTTGGAA TTGGGAGCAC GNTGNNCTCT TGAGTTTGGA GCTTTTAAAA GTACTTTNTT 360	
	TACCACATTT GGAAA 375	
45	010 IN MO.2110	
	SEQ ID NO:2118 SEQUENCE LENGTH:339	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
50	CLONE: HUNGS02423	

	SEQUENCE DESCRIPTION:					
	GATCTCTAAC CAGAAATAAA	CAGGAAGACT	CAGTNGTTTA	CAAAAGACAT	TTTAGTTTTA	60
	CACGTACAGA AAATTCTACC	CNGGCATTAC	AGAATTCTTA	GACTTCTTAA	ATTCCTGATT	120
5	TTCCTTGGTA TTTACATITT	GATAAGGGAG	CCAATGGTTC	TTCAAACATT	TGAAAAGAAC	180
	ACATACACAC TGGACAATTT	CAAACGNTAC	AAACAAACGC	AACTGTCCTT	CTTTCTCATT	240
	CCTGTCCTTC AGCCACCCAG	TTTCTTCTCC	CCTGAGGGAA	TCAGTTATCA	TTNGCTGGGT	300
	CATACTTCCA GATTATCCTG	TGCCTATGTA	AGTGTGTGN			339
10	070 th No 0110					
	SEQ ID NO:2119					
	SEQUENCE LENGTH: 334					
	SEQUENCE TYPE:nucleic	acıa				
	TOPOLOGY: linear					
15	CLONE: HUMGS02424					
	SEQUENCE DESCRIPTION:	NA COCCOTO	0010001000	CACACCCTTC	0070100100	co
	GATCTGGGAC GTNCACGAGT					60
	CTCCAGCAGA TAGACGCCGG					
20	NGCCTGTAGA CCTATCGGNT					
	TCCNTCCCTG CCCAGCGAGT					
	ACCNTTCCCG GGTGNCCTCC			GUCCAGCACG	NAGIAGNCII	
	TGAACAGAGG GAGGGAAGGA	CCCATGGGTC	ICCN			334
25	SEQ ID NO:2120					
	SEQUENCE LENGTH: 330					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02425					
30	SEQUENCE DESCRIPTION:					
	GATCAAAGAG AAAATAAAAA	ATCGCTACTT	CCCTGCCTTT	GAAAAAGTCT	TAAAGAGCCA	60
	TGGACAAGAC TACCTTGTTG	GCAACAAGCT	GAGCCGGGCT	GACATTCATC	TGGTGGAACT	120
	NCTCTACTAC GTCGAGGAGC	TTGACTCCAG	TCTTATCTCC	AGCTTCCCTC	TGCTGAAGCT	180
35	CTCCAGGACA CTGGCCCCCC	ACACTGTATC	TCTCACTGAG	${\bf AAAAGGTGGT}$	CCCATGGCCC	240
	TGAAAACCAG AATNAGCAAC	CTGNCCCACA	GTGAAGAAGT	TTCTACAGCC	TNGGCAGCCC	300
	AAGGAAAGCC TCCCATTGGA	TGAGAAATCN				330
	SEQ ID NO:2121					
40	SEQUENCE LENGTH: 327					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear	4014				
	CLONE: HUMGS02426					
AE.	SEQUENCE DESCRIPTION:					
45	GATCGAAGTA AAATAGAAAT	GGGACTNGCT	TTCCACAGGA	AGTAAACTGC	TTCAGAGCCC	60
	ACAGTCCCCT GCTCAGTGTC					
	CACAGGCCGT CCATTAGAGA					
	GGAAATGAGG NNCGGAAACT					
50	TTAATTCAGA GTACAGTTTG					

	AAAATACTGT GTCTAAAGAA	ATTTCAN				327
5	SEQ ID NO:2122 SEQUENCE LENGTH:324 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS02427 SEQUENCE DESCRIPTION: GATCCTCGTC ATCAAGGATG CCGAGGTGGG GTGTATGCTG AGACACTAAG CCTCAGACCA CTAACCCAGA AGGGAATAAG	ACATGTGGCA TGGAACGGTG ATGTGTCTCC	GCTGCAGCAG ACAAAAGTTT TTTCCCTGGC	GGACAGGAAG GGCCACTTCC TTATTTCATC	AAACCTCTGA CTCTCAAAGA CTGGTCTTGG	180 240
15	GGTATGGTGC TAGCTATGGT ATAAAAATGT GGACTGGTGC		GACCTTTCCG	AAAAACATCT	TTTNGGGGAA	300 324
20	SEQ ID NO:2123 SEQUENCE LENGTH:355 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGSO2428	acid				
25	SEQUENCE DESCRIPTION: GATCTGAACA TTCAAAAGAA TATATGATGA AGATTGTAGG TATTTGGTTA TTTTACTCAA TAGGAACAGG TGTTTGCTCT	ACTGTCTTCC TTGGTTACTC	CAAGCCCCAT TCATTTGAAA	GTTCATGGTG TGAGGGAGGG	GNNCNNTGGT ACATACAGAA	120 180
30	AGTACAGTCG CTAGTCAAGT CTGTTGTTAT AAAACTATAC					300 355
35	SEQ ID NO:2124 SEQUENCE LENGTH:324 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2429 SEQUENCE DESCRIPTION:					300
40	GATCTCAGAA CTGAAGGCCG GGTGGAATCA TGCTGAATGA TCACCACATC CTCCCGAAAA TCCAAAGCCT NCTTATTGAC ACCTGTAACT TCATCTAAGT	GACAGGCCAG GTGTGTGGAG TCCTAGGGAA CCCCAGATGG	GGTTACCAGC GAATTCAAGT TCAAGAGGCC	GCTTTCTCCT CCCTGACTTC TGTGAGCTGT	CTACAATCGC CTGCCTGGAC CCAATAACTG	120 180 240 300
45	GAGGAAGCTT GGAGACTTCC SEQ ID NO:2125 SEQUENCE LENGTH:324 SEQUENCE TYPE:nucleic					324
50	TOPOLOGY: linear					

	CLONE: HUMGS02430					
	SEQUENCE DESCRIPTION:					
	GATCCATCTT CATCCATTGC	ATTGGAAACT	NCTTTATGCT	GCTGCAGTCT	GCAAAGTCTA	60
5	GAGCTTTTAT CAGGCCATGT	CATACCCAAG	AAAGCACCTA	TTTAAAGAAA	AAACAATTCC	120
	CTGAGCTCTC AACTCCAAGT	TGTAGATTTG	GTGTCTTCCT	TGTCCTTACT	TTAAAAAGTC	180
	ATGTGTTAAT TTTNNTCCTG	CCTGTATTTG	TATGCAAAAT	GTCCTCTATC	TGCTATNAAA	240
	GAAAAGCTAC GTAAACCACT	ACATTGTANC	CTTCTAAGTN	ATTNTTAATT	AGNAGGGNAT	300
	TATNTTGCAG TACCANTTGG	GAAA				324
10						
	SEQ ID NO:2126					
	SEQUENCE LENGTH: 321					
	SEQUENCE TYPE: nucleic	acid				
15	TOPOLOGY:linear					
	CLONE: HUMGS02431					
	SEQUENCE DESCRIPTION:					
	GATCGTGAAG ACCTGCTGAG	CCAGCCTGTT	CTCCGGGCCT	GAATGTCTGG	GGTGCTTGTG	60
	CCTTTTCTGA GAAGCGTTGT	GACTGCTCAA	CATCCCCATC	AAGGTTTGAG	TCCACAAAAG	120
20	TGGACCTCCC TATCATGCTT	CCCCTTCCCT	CTAGCATGTG	GGAAGGGACT	GCTGTGAAGA	180
	ATGNCAGATG TGGGGCCTCT	GCCAAGTTCT	TGCATTGCTA	AATAAGGGCT	TCCTCTGCCT	240
	TCTACCTACA GTGCATTTGA	ACTGCCTTCT	GAAAGAGGTC	CAGGGAGGGA	TTTAGGAAAT	300
	AAAGNTTCTA CCTATTTGAA	A				321
25						
	SEQ ID NO:2127	•				
•	SEQUENCE LENGTH: 319					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
30	CLONE: HUMGS02432					
	SEQUENCE DESCRIPTION:					
	GATCCTAAGC GAAGATGGAT					60
	TTGCACAGGG AGAATTGAAA					
35	AAACTGAGCT TCAGAAAGGG					
	TTTGCAGAAT TAACTATAAC					
	TAATACATAA CATTCAATTT	TTACCACTNC	TGTTTAGCGA	ACTTGTATAC	TTATTTCCTG	
	TTCAGNTTAA AAAAAGAAA					319
40	SEQ ID NO:2128					
	SEQUENCE LENGTH: 315					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acru				
_	CLONE: HUMGS02433					
45	SEQUENCE DESCRIPTION:					
	GATCACACCT GAAAGCAGTG	GTCCCAGCTC	TGTGCTGTGG	GACATCACAG	GTCCTAAACA	60
	GTGATAGAGA AAGGGCTGGG					
	ACACACATGT CAGAGAATCT					
50	GGCTGTGCGG TGAGGGGAGA					

	GAGACACCAC CCAAAGAAGA GATGGGCTGG CTACTAAAGA CAAGTNTCAG TTGAATAAA GTCTTTAAAC CTAAA	T 300 315
5	SEQ ID NO:2129	
	SEQUENCE LENGTH: 311	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
10	CLONE: HUMGS02434	
	SEQUENCE DESCRIPTION:	
	GATCATTGTC CCTACAGACA CCCAGAACAT CTTCTTCATG AGCAAAGTCA CCAATCCCA	
	GCAAGCCTAG AGCTTGCCAT CAAGCAGTGG GGCTCTCAGT AAGGAACTTG GAATGCAAG	
	TGGATGCCTG GGTCTCTGGG CACAGCCTGG CCCCTGTGCA CCGAGTGGCC ATGGCATGT	
15	TGGCCCTGTC TGCTTATCCT TGGAAGGTGA CAGCGATTCC CTGTGTAGCT CTCACATGC	
	CAGGGGCCCA TGGACTCTTC AGTCTGGAGG GTCCTGGGNC TNCTGACAGN AATAAATAA	
	TTCGTTGGAA A	311
20	SEQ ID NO:2130	
20	SEQUENCE LENGTH: 309	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUNGS02435	
25	SEQUENCE DESCRIPTION:	
•	GATCCCAACT GCTCCTGCGC CGCCGGTGAC TCCTGCAAAT GCAAAGAGTG CAAATGCAC	
	TCCTGCAAGA AAAGCTGCTG CTCCTGCTGC CCTGTGGGTT GTGCCAAGTG TGCCCAGGGC	
	TGCATCTGCA AAGGGGCGTC GGACAAGTGC AGCTGCTGCG CCTGATGCTG GGACAGCCCC	
30	CTCCCAGATG TAAAGAACGC GACTTCCACA AACCTGGATT TTTTATGTAC AACCCTGAC	
	GTGACCTTTT GCTATATTCC TTTTTCTATG AAATAATGTG AATGATAATA AAACAGCTTT	
	GACTTGAAA	309
	SEQ ID NO:2131	
35	SEQUENCE LENGTH: 307	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGS02436	
40	SEQUENCE DESCRIPTION:	
40	GATCCTGGCC TCGCAGTTCC TATCCCNTGA CCCAGAACAG CTCACCAAGG AGCTGCAGCA	
	GCATGTGAAG TCAGTGCAGC CCATACAAGT CCCAAANAAG ATAGAGTTTG TNTTGAACCT	
	GCCAAAGCTG TCACAGGGAA ATTCAACAGA CCAAACTTCG NGNCAAGGAG TGGAAGATG	
	CCGGAAAAGC CCGTNCGAGT GAGNCGTCTA GGAGCATTCA TTTGGATTCC CTCTTCTTTC	
45	TCTTTCTTTT CCCTTTGGGC CTTGGCTTAC TATNATGATA TGAGTCCTTT ATGAAGACAT	
	GATGAAA	307
	SEQ ID NO:2132	
	SEQUENCE LENGTH: 306	
50	SEQUENCE TYPE:nucleic acid	

5	TOPOLOGY:linear CLONE:HUMGS02437 SEQUENCE DESCRIPTION: GATCCTGGTG GCGACCATGG GGCCCAGAGA GAGGTCCACC CAGCTCCCCT CCACCTGCCA CAGGACAGAC TAACTTTTA AATATATTA TGCAAATTTT GANAAA	CCAAGCAGCC ATGTCAGCGC AATGATATGA	TGAGCCCTCA CACACTGGTG AGAAATCAGA	GCCACCCCC TCTGAAAGGA GGTGAAAATT	AGCTCCCTGG ATAAGGAGAA GTACATTGGG	180 240
15	SEQ ID NO:2133 SEQUENCE LENGTH:306 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02438	acid				
20	SEQUENCE DESCRIPTION: GATCTGGGCT GGTCCCTTTC CCATACTTCC TCTCTNAGAA TGACTGCAAA CTTGCTGAAG	CCATAAAATN TAATCATTTC	CCTTGTAATG	CTCAGCATCC	GCATCCTGCT	
25	AACAGTGTCT GGGACACAGT AAATCAGTCT TTTAGGGATT AGGAAA					
30	SEQ ID NO:2134 SEQUENCE LENGTH:305 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02439 SEQUENCE DESCRIPTION:	acid				
35 40	GATCTGACCC CACAGCCTTT GACCTCCCGG GTCAGGCAGG GGGACCCAGA CAGATGGACT TGCCTCCTCG CCTCCAGAAC GTTCCGTCAT TCTCGTTCCT TGAAA	GCGGCCCCCT TACATGGAGC TTGGAGCAGG	GCTCCACACA TGGGCACTGC GAAGTGGGCA	CTGCTGCATC CCTGCCTCAA CCCTGAGGCC	TTGGGTCTCA CAGGGTCCAT TCCAGCACCA	180 240
45	SEQ ID NO:2135 SEQUENCE LENGTH:251 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2441	acid				
50	SEQUENCE DESCRIPTION: GATCAACCTG AGAAAAATTG CGTGTGCACA GAAGCTGGCA GGACTTTGAG ATGGCAGTAG	TGTATGCCCT	GCGAGAACGG	CGNGTCCATG	TCACTCAGGA	120

	CAAGCANTTA TGGANGTGAG GGCCAAGTAA A	TGGACAGCCT	TTGTGTGTAT	CTCTCCAATA	CAGCTCTGTG	240 251
5	SEQ ID NO:2136 SEQUENCE LENGTH:301					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02442	acid				
10	SEQUENCE DESCRIPTION: GATCTGCATC CCCAAAAGTA	TCACTCCTTC	TCGAATCCTT	CAGAACATCA	AGGTGTTTGA	60
	CTTCACCTTT AGCCCAGAAG TATTGTGCCT ATGCTTACGG	TGGATGGGAA	GAGAGTCCCA	AGGGATGCAG	GGCATCCTCT	180
15	GTACCCCTTT AATGACCCGT GCTAATGAGG TCCTGCCACA					300
	A					301
20	SEQ ID NO:2137 SEQUENCE LENGTH:302 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS02443		·			
25	SEQUENCE DESCRIPTION: GATCCGAGAG GGCATGGCCG					
	CTTCAAAAGC ATCTCCAAGG TGGCTTCTGA ATACTCCCGG	• •				
30	GCCGAAGCCC CTTTCCTTAA TGTGCCTGCT CTCAAGAGCA AA					
•	SEQ ID NO:2138					
35	SEQUENCE LENGTH:297 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS02444					
40	SEQUENCE DESCRIPTION: GATCATCCAG AAGGAGCCCG CCTGTTTTCT GCACTTGGTG					
	ACCCTTGATG AACCGGAAGG	TCTGGGCGTC	CTTCCAGGCC	ACTAATGAGG	GCACAAGGTC	.180
45	CTAGAGACAT TAGGTCCACA CCCAAGTTTC ACAATGTGAT					240 297
	SEQ ID NO:2139					
	SEQUENCE LENGTH:295 SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY linear	BUIL				

	CLONE: HUMGSO2	2445					
	SEQUENCE DESC						
•	GATCTATGCC AC						
5	AAAAGTACTA TA						
	TAACTGACAT T						
	AGAAACAGGA AT						
	AAACATATTG AT	rgtgttggt	GATAGGCTTG	AATTATTAAA	AACTTCAAAA	ACAAA	295
10							
	SEQ ID NO:214						
	SEQUENCE LENG						
	SEQUENCE TYPE		acid			•	
_	TOPOLOGY: line	*					
15	CLONE: HUMGSO2						
	SEQUENCE DESC					+ M.O. + C.O.M.M.O.	
	GATCGAGGCT GO						
+ (8)	ACTCCTTGCT GO						
20	CCTCAATGGC GC						
	CGCCCTCATG GT						
	TGGTATCTGG GO	CGGANTCAC	AGAGTTCTTG	GAATAAAAGC	AACCTCAGAN	CAAA	294
	SEQ ID NO:214	41					
25	SEQUENCE LENG						
	SEQUENCE TYPE		acid				
	TOPOLOGY: line		doru				
	CLONE: HUMGSO						
	SEQUENCE DESC						
30	GATCTGGTTG G		AAGTGTCACG	CTGGACATCT	CAATGGNGTT	TATTACCAAG	60
	GTGGCACTTA C						
	CTTGGANAAC C						
	CTCACAATTG G						
35	NGCCGTTCAN T						292
		a			••••		
	SEQ ID NO:21	42					
	SEQUENCE LEN	GTH:280					
	SEQUENCE TYP	E:nucleic	acid		-		
40	TOPOLOGY: lin	ear					
	CLONE: HUMGSO	2448					
	SEQUENCE DES	CRIPTION:					
	GATCGGAAAA A		ACGCAAAGCC	AAGTCTCGAC	AAGTTGGAAA	AGAGAAAGGC	60
45	AAATATAAAG A						120
	CGGTTTAACC G						
	GAACATTTCA T						
•	GTAATAATTT T						280
50							
50	000 ID W0 01						

5	SEQUENCE LENGTH: 280 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUNGS02449	acid				
	SEQUENCE DESCRIPTION:	OTTO COOTS	maamaa Lamm	O TO		
	GATCCCATAA CAGGCTACCC CAGGCTGAGC TCCTTGAGGT					60
	CTTAGTGGAT GCCCAGTTGT					
10	CCTACCNTAT NNNNNGTAAT					
	GTATATNATN NGNTAATGTC			CITAMAGGIG	ATAAATCAGI	280
	SEQ ID NO:2144		٠			
16	SEQUENCE LENGTH: 278					
15	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02450					
	SEQUENCE DESCRIPTION:					
20	GATCCTAGAG CCTGACGTTC	AGTGAACCCA	TGTTTCTGGG	TGGGTGAAAG	GGGCCCAACC	60
	CTGCCCACTT CAGCCCAGCC	CGCCCAAGGG	GACTTGTGCC	AGCAGAACAT	GTNGGAGGAA	120
	GAAGCCCCGT TTCCAGGGCA	TCCGCAGCCC	${\tt AGGGTAGGGA}$	GAAATATTCT	CTCCACTTTG	180
	GGGGAGAGTT CTTGCTCTCG	ACCTAGTGGT	TTCTACTCTC	ACCGACTTAT	TCTGATTTCA	240
25	GAAATAAAAT GAAATGTCTT	ATTTTTGGGA	AAGTTAAA			278
	SEQ ID NO:2145					
	SEQUENCE LENGTH: 315					
	SEQUENCE TYPE: nucleic	acid				
30	TOPOLOGY:linear					
	CLONE: HUMGS02452					
	SEQUENCE DESCRIPTION:					
	GATCCCACTG GGGCCTNTGG					60
35	ATCTTTGGGA ATCGACGTCT					
	GCCCTGAATG TGGAACCAGA					
	TCACAGNTCT GAGGCCCTGG					
	AGCCCTGTGC TGGGGCCCTG GGTTTGCGGG TCAAA	CAATTGGAAT	GTTGGCCAGA	TTTCTGCAAT	AAACACTTGT	
40	UUTITUUUU TUAAA					315
40	SEQ ID NO:2146					
	SEQUENCE LENGTH: 275					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acia				
45	CLONE: HUMGS02453					
	SEQUENCE DESCRIPTION:					
	GATCCCAGGA CCATTTGGCT	AGTGTGCCTA	GGTGACCACA	TGATTGCTGT	TTTACCAGGA	60
	ATGCAGCATC CCATTGACAA					
50	TGGGANCACA GNCCTTGAAA	TTTAGCTGAG	TTGTAACAGC	TGAAACTCCA	AGAGGTGTCT	180

	TCCTTGTTTN GAGGTGNACT GTTTTGGGGA ATCCTTTTT			GCTTGAAACC	CGTAAAGCCT	240 275
5	SEQ ID NO:2147					
	SEQUENCE LENGTH: 274					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS02454					
	SEQUENCE DESCRIPTION:	0.0000000	**********	C 1 4 CTT 1 1 T 1	010710101	
	GATCATCAAT GATTTATTGG ATACCAAGAT AAGGGACAAA					
	GAACTGTTGG TGAACTCTTG					
15	AACATAAACT GATTCTTCTG					
,,	AGCTGCTTAA TCATTTAAAC			11001/11001	0011100	274
						•
	SEQ ID NO:2148	•		_		
••	SEQUENCE LENGTH: 266					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02455					
	SEQUENCE DESCRIPTION:		•			•
25	GATCGCAGAG AAGGCAGCTG			•		
	CCCTGTCTAC AAGCCCAGGA					
	GACCAGGGAA GCCCCCTGAT GCCTGAAACT ATCTAGCACA					
	GATAAAGTCT TGGGAAATGA		GGIGGIACCC	INCICAGIGG	CIUNUAAIIU	266
30	UNIMANUICI IUUUAAAIUA	UNCAAA		•		200
	SEQ ID NO:2149					
	SEQUENCE LENGTH: 265					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY: linear					
	CLONE: HUMGS02456		•			
	SEQUENCE DESCRIPTION:					
•	GATCTTTAAC AAATGTTTTA					
40	TGAAGTCTTA ACATTTTAAC					
	ATTTCAGAGA CAATGTTTTC					
	CATTCTTTAT ACTGTTTGTG AAACAATAAA AAATTGCATG		IAGCATATIA	AGIGIACAAA	INUNITINUN	265
	AAACAATAAA AAATTUCATU	CIAAA				200
45	SEQ ID NO:2150					
	SEQUENCE LENGTH: 264	•				
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
50	CLONE: HUNGS02457			•		
50	SEQUENCE DESCRIPTION:					

	GATCCTAGTG TITTAATTAC CTGTGTGCAG CTATTITAAA TAGCAITITA CITGAATAAT 6	U
	ATGTATGTTG TCATTGTTTC ATGCTATACT TTGTGGGATA AAACTTGGGA ATGAGTGTGG 12	0
	TAAGAAATTT ATAAAGTTTT GCTTTTAAAA CGTGGACATA ACTCATTTTT CTAGTTTTTG 18	0
5	ACAATTGTGT GTTTTAGTGT CTAGTCTGCA GAGAGCTGTG TGATTAATAA ACGTGGAATT 24	0
	AACAGAATTT CCTCCCCTG TAAA 26	4
	SEQ ID NO:2151	
	SEQUENCE LENGTH: 259	
10	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS02458	
	SEQUENCE DESCRIPTION:	
15	GATCCTGGGC TCATAGGCAG TCCCTTTCAC TTCCTTGTCT TGCTCCCTGC TATGCTGGAG 6	0
	ATGAATGTGA CTAAAAGGGC CATCTTGCTG GCTTAATGTG TGGCTGGAGA GACCAGCCTG 12	0
	GAGACAATGT GGCAAAATGG GGCGCTTCAT CCAGTCTGTC TAAGCCCTGT CGACTTGGGG 18	0
	AGGTGATTTC TTTCCTGGTT CTATATGTNA AGCAAAATAA ATGTTTTAAA ATTAAAAGCA 24	
	NNAAAGCAGA ATGTGAGTN 25	
20		
	SEQ ID NO:2152	
	SEQUENCE LENGTH: 255	
	SEQUENCE TYPE:nucleic acid	
25	TOPOLOGY: linear	
	CLONE: HUMGS02459	
	SEQUENCE DESCRIPTION:	
	GATCAAAGCT GGACTGGAAA TTGTATCGTG TAATTATTTT TGTGTTCTTA ATGTTATTTG 6	0
•	GTACTCAAGT TGTAAATAAC GTCTACTACT GTTTATNCCA GTGTCTACTA CCTCAGGTGT 12	
30	CCTATAGATT TTCCTTCTAC CAAAGTTCAC TTTCACANTG AAATTATATT TGCTGTGTGA 18	
	CTATGATTCC TAAGATTTCC AGGGCTTAAG GGCTAACTTC TATTAGCACC TTACTGTGTA 24	
	AGCAAATGTT ACAAA 25	
35	SEQ ID NO:2153	
	SEQUENCE LENGTH: 248	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUNGS02461	
40	SEQUENCE DESCRIPTION:	
	GATCTGTGCA GCAAAGCACC ATGGTACATG TNNTACCTAT GTAACAAACC TGCACATCCT 6	0
	GCACATGTAC CCTGGAACTT AATAAAAGTT GGAAATTTTT AAAAAGAATG AATAAGACCT 12	
	GGTATTTGAT AGCACAACAG GGAGACTATA GTCAACAGCA ATTTAATTGT ATATTTTAAT 18	
45	ATGACTAAAA GAGTATAATG GNTTGTTTGT AACACAANTA AATGCTTGAG GGGATGGNCA 24	
73	CCCCNAAA 24	
		_
	SEQ ID NO:2154	
	SEQUENCE LENGTH: 245	
50	SEQUENCE TYPE: nucleic acid	

	TOPOLOGY:linear CLONE:HUMGS02462					
	SEQUENCE DESCRIPTION:		0.0000 + 0.00 + 0.00			
5	GATCTTAAGC TTTGATAAGA					
	TCCATCCAGG CTGGGTTCAG					
	CTGAAAGAAG CTTTAGCTGG GATGTGGTTT AAGTNATGGG					
	CCAAA	INCAUCCIUA	IICIGAGCAA	IAAIAAAGAN	TITCTTTGC	-
10	COMM					245
	SEQ ID NO:2155					
	SEQUENCE LENGTH: 244					
	SEQUENCE TYPE: nucleic	acid				
15	TOPOLOGY: linear	50.0				
73	CLONE: HUNGS02463					
	SEQUENCE DESCRIPTION:					
	GATCCAGGAA GCTCCCAAAC	CAGAGTGTGA	GAAGGCACTT	CTTGCCTTTC	AGGAGAGTAA	60
	GAACCTCTGC GAANCATGGA					
20	GAGGAGCTAA AATATTCTCT	GGAGCTGAAG	AAAGCTGAGT	TGAAGGCAAA	ATTGTTGTAA	180
	CACTACAGCT GAGCAGATGT	AATAGAAATA	AACCTATGAA	TAAATTTNCT	TCTTGGTTCT	240
	GAAA					244
25	SEQ ID NO:2156					
20	SEQUENCE LENGTH: 237	•				
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02464					
30	SEQUENCE DESCRIPTION:					
	GATCCTATAT CTTGGTNAAT	ATGCTCCCAG	ATACTTTAAA	CATGGCAACC	TTTTGGCCTA	60
	AGAGAATGTT TGTTCATGGA					
	GCAATTGATT TTCTGTTTTA					180
35	NGTTTTACTG AATTGTATGG	AGATTGTATA	CCAAGTAAAG	CTCTTTTAAA	TTACAAA	237
	SEQ ID NO:2157					
	SEQUENCE LENGTH: 234					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS02465					
	SEQUENCE DESCRIPTION:					
	GATCCACGCT GGGCCGAGGA					
45	GACACCCTCC CTCCAGGGTC					
	CCCAACCTCA CCCTCCTGAC					180
	AGGTGCCCCT GATGATGGGA	TGCNCTTTAA	ATAATAAAGA	TGGTTTTGAT	TAAA	234
	SEQ ID NO:2158					
50 ·	SEQUENCE LENGTH: 233					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02466 SEQUENCE DESCRIPTION:					
J	GATCCCTAAG CTGTAGAACA	TTTTAACGTT				
	ATGGAGCTTG CAGATGGAGC					
	TGTGCGTTTC TCGGAGAAGT					
10	TTAATTTTAA ATGCCTTAGA	CIGGGGATAI	ATTAGAGGAA	GCAGATTGTC	AAA	233
	SEQ ID NO:2159					
	SEQUENCE LENGTH: 229					
	SEQUENCE TYPE:nucleio	acid				
15	TOPOLOGY:linear					
•	CLONE: HUMGS02467					
	SEQUENCE DESCRIPTION:					•
	GATCTGTGCA CACTTTCTAA	ACAGCTTGTN	ATGCAAGTNT	GAGCCTATTG	TGTTACTTGA	60
20	CCTTATTTTG GAAGTTTTGA	ATTGGCCTAG	GAGGAAACCC	AGAAATGAAC	CAGGGGTATG	120
	TNATCACTTT TTTNATATCA	AGTCCTCACC	CTCCTNCCAC	ATAATGCTCT	ATCCGGCTAA	180
	GGTTGGAACT CTGAAGTTGG	AGAAGGTGGA	ATAAAGTTAC	ACCTGGAAA		229
	SEQ ID NO:2160					
25	SEQUENCE LENGTH: 227					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02468					
30	SEQUENCE DESCRIPTION:					
30	GATCCCTGCG AATTACGAAA					
	GCAGAAGGTG AAGCATCCCA	ACTGACTAGA	GACTCAGGCC	CTGCAGGNCC	TTATAGAACC	120
	TGTGGCCATC CCTGAGCACC	CTGCCACCAG	GTGACCTCGG	CCATACTCAC	TGCCCCCCTT	180
	GGGCACCCAC TCACCNTAGA	ATAAACTTAA	CAGTGTCCCG	TGGTAAA		227
35						
	SEQ ID NO:2161					
	SEQUENCE LENGTH: 226					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS02469					
	SEQUENCE DESCRIPTION:					
	GATCTTACGA TGCCCTCTGT					60
	GTTTGAATCA TAGCCTTGAT					
45	GCTTAACTGC TTCTTGGTTG				IGGGIALICI	
	TGAATTGCTT TTACAATAAA	COARTITIAT	AAICIIIAAA	ILIAAA		226
	SEQ ID NO:2162					
50	SEQUENCE LENGTH: 224					
-	SEQUENCE TYPE:nucleio	acid				

5	TOPOLOGY:linear CLONE:HUMGSO2471 SEQUENCE DESCRIPTION: GATCTGCCTT GCTCACTATT TGGCCAAGAC AAGCCCATNT CTAGGCAATG GAAGCCCTCA TGGGAAACTG GGTTTCTCAT	CCAGAGCTCT AAGAAGTCGG	AAGAATGCCT AATGTCATAG	AACTACAAGA TCTTGAAATG	AAAAGGCCAC	
10	SEQ ID NO:2163 SEQUENCE LENGTH:221					
15	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02472	acid				
	SEQUENCE DESCRIPTION: GATCTAATTT GATAAACAAC					60
	. AGTGTTCTGT GTAGTTATTG					
	CTTGCTTTCA CTTATTAAAC	ATGTTCACCA	TGGGATGATG	TCTGTAACAT	CAGATATTGT	180
20	TCAACTAGAC TAGGATTTAA	TAAAAATTGT	GAAAGCTTAA	A		221
	SEQ ID NO:2164 SEQUENCE LENGTH:210					
25	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02473					
	SEQUENCE DESCRIPTION:					
	GATCTTAATT TACAGTTCCA	TGGGATTAAA	ACAAGTTTGC	ATTTATGTAA	TTTGCATTAC	60
30	TTTAAAAATT ACAACAACAT	AATCTCTGAA	ACTTACTTCA	ATCAATTCAC	ATCCCTACAA	120
	CTGTTAAGAT TTATTTTGTG	ATTAGNATCT	TATAGTGGGT	ATTCTTTTNA	GTGCTGATAT	180
	TTCTATTCAT TAAAATCCTG	TGNACACAAA				210
35	SEQ ID NO:2165					
	SEQUENCE LENGTH: 209					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
40	CLONE: HUMGS02474					
40	SEQUENCE DESCRIPTION:					
	GATCCTGCAT TAAATTTTTA					
	TTTGCCTTCT TATGNCTAAA					
	TGAAGTTATA TATGAGTGCA		CTTCTGCTCA	AATATGTGTT	GATACCUTAC	
45	AGTAAATTGA ATTAAATTTT	TATCCCAAA				209
	SEQ ID NO:2166					
	SEQUENCE LENGTH: 203					
50	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					

	CLONE: HUNGS02475
	SEQUENCE DESCRIPTION:
	GATCAGTCAA TTTTCCGTCG TCCGTAACCA GCGGGCCCCT GGTCAAGTNC TGGCTCTGCT 60
5	GTCCTTGCCT TCCATTTCCC CTCTGCACCC AGAACAGTGG TGGCAACATT CATTGCCAAG 120
	GGCCCAAAGA AAGAGCTACC TGGACCTTTT GTTTTCTGTT TGACAACATG TTTAATAAAT 180
	AAAAATGTCT TGATATCAGT AAA 203
	SEQ ID NO:2167
10	SEQUENCE LENGTH: 200
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS02476
15	SEQUENCE DESCRIPTION:
	GATCTGGACT TCGAAACTTT CCTCATGGAT TCTGAATAAA AGAAACACTC TACACCTCTT 60
	AAATCAAGGT CATGTAGATA ATGACTTTGT TATAAATGCT ACAGCTGTGA GAGCTTGTTT 120
	CTGATTTCAT TGTTCGCTTC TGTAATTCTG AAAAACTTTA AACTGGTAGA ACTTGGAATA 180
20	AATAATTNGT TTTAATTAAA 200
20	
	SEQ ID NO:2168
	SEQUENCE LENGTH: 200
	SEQUENCE TYPE:nucleic acid
25	TOPOLOGY: linear
	CLONE: HUMGS02477
	SEQUENCE DESCRIPTION: GATCTTAAGT GTCTCCTTGC TCTGGTAAAA GATAGATTTG TAGCTCACTT GATGATGGTG 60
	CTGGTGAATT GCTCTGCTCT GTCTGAGATT TTTAAAAATC AGCTTAATGA GAGTAATCTG 120
30	CAGACAATTG ATAATAACAT TTTGAAAATT GGAAAGATGG TATACTGTTT TTAGAGGAAT 180
	AAACGTATTT GTGGTTTAAA 200
	AMOUNTE GIGOTIMAN
	SEQ ID NO:2169
35	SEQUENCE LENGTH: 197
33	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS02478
	SEQUENCE DESCRIPTION:
40	GATCCAAATC CCAGCTCTAC TGTCTCGTCC GAATTAGCCT TGGGAAAATC ATTTATATGC 60
	TAAATAATTT ACCTTTTTAT CTAGGAGATG AAAAGAGGAT AATGTTTCCT TCCATAAAGA 120
	AAGTTCTTGT AAGAATCAAA AGAAATGGTG ÄGCTTTAAGT GGTTTGTAAA CCATAAAACA 180
	CATCATAAAA GTTCAAA
45	·
	SEQ ID NO:2170
	SEQUENCE LENGTH: 201
	SEQUENCE TYPE: nucleic acid
50	TOPOLOGY: linear
Ju	CLONE: HUMGS02479

	SEQUENCE DESCRIPTION:					
	GATCCATGNC ATCTCTCTCT					
	ACTGGAGGCA GTCCATCTAG					
5	TGCTATTCTA GAGCTTTTAT	TTGNGTGTGT	TCGTTGCACA	NCTTGTTTTA	AATGTTTAAT	180
	AAAAGCTTTA TAAACTTTAA	A				201
	SEQ ID NO:2171					
	SEQUENCE LENGTH:218					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	•				
	CLONE: HUMGS02480					
	SEQUENCE DESCRIPTION:					
15	GATCCCCCAA GTACAGGCGC					60
	GGCTGGCAGC GTAGTGGGGC					
	GCAAACGTTG TCATTGGCAG			CGGTGGGGNG	CTATAAAANT	
	GACAATTAAA CGNGACANTN	GTNTTTTATT	TCCTNAAA			218
20	SEQ ID NO:2172					
	SEQUENCE LENGTH: 195					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
25	CLONE: HUMGS02481					
	SEQUENCE DESCRIPTION:		-			
	GATCCTTGCA GGGAGCTTGG	AACCTTAGTG	CACCTACTTC	AGTTCAGAAC	ACTTAGCACC	60
	CCACTGACTC CACTGACAAT					
	CCACCCCCNT CTTATTTAAA	TAGCTACCAA	AGTACTTCTT	TTTTAATAAA	AAAATAAAGA	180
30	TTTTTATTAG GTAAA					195
	SEQ ID NO:2173					
	SEQUENCE LENGTH: 194					
35	SEQUENCE TYPE:nucleic	acid			•	
,	TOPOLOGY: linear			•		
	CLONE: HUMGS02482					
	SEQUENCE DESCRIPTION:					
	GATCCGGCAA CATCAACCCG					
40	CGCAGGCTGA CCACAGCACA					
	GGGCTGGTTC TGTAATTGTG	TGTGATGTGA	AGCCAATTCA	GACAGGCAAA	TAAAAGTGAC	
	CTTTTACACT GAAA					194
45	SEQ ID NO:2174					
	SEQUENCE LENGTH: 192					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS02483					
50	SEQUENCE DESCRIPTION:					

5	GATCAAATGG AAAGGAGAGG TCACCACTAC ATCACTTGAG TAACTCTAAT TCTAGAGTCT ATGGTATTGA AA	ACAAATCTAT	GCCACTCAGA	ATCTCCTTCT	TTCCTGGACT	120
. 10	SEQ ID NO:2175 SEQUENCE LENGTH:192 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02484	acid				
15	SEQUENCE DESCRIPTION: GATCAGAACT GTTACCAAAA CGANNNTTAT TACTTAAGAC GTGTATTTAT TAATGTTCAA AGATTTTTGA AA	TTTATGGGAG	AGATTAGACA	CTGGAGGTTT	TTAACAGAAC	120
20	SEQ ID NO:2176 SEQUENCE LENGTH:187 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2486	acid				
25	SEQUENCE DESCRIPTION: GATCGTCTTG GAAGGGAGTG ATTGACTCAT GAGGACCTGA CCCAGCGCCT GTNCTGAGGA ACAGAAA	AGGGTGACAT	CCCAGGAGGG	GCCTCTGAAA	TTTCCCACAC	120
30	SEQ ID NO:2177					187
35	SEQUENCE LENGTH:187 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02487 SEQUENCE DESCRIPTION:		OPPOPE A A A A	CT - TT C - C C C	0.00	
40	GATCATTGAA ATGCTGAAAA ACCAATTATG GTATACAAAA CAGTTGATTC AGTTTGTAAT ATTGAAA	ATAAGCCTAT	AAATGTNTTT	CACATTGCTA	ACTTGAGTTT	120
45	SEQ ID NO:2178 SEQUENCE LENGTH:186 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2488	acid				
50	SEQUENCE DESCRIPTION: GATCAGTTGC TTATAGATAA	TGTTCAATGA	CCTCAAGACA	TATATTTTTG	AGAAATTATC	60

	ATTTTAAAAA ATTTGGTCTA					
	CACTGACCTC TGGAAAATAT	TTTGTNCACA	AGAAATAATA	AAGTATAATG	ATTTGTNGCA	180
	NNNAAA					186
5						
	SEQ ID NO:2179					
	SEQUENCE LENGTH: 179	. ,				
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear					
	CLONE: HUMGS02489					
	SEQUENCE DESCRIPTION:	<u> የ</u>	0010101010	G + CC#GO + ##	M001010001	••
	GATCCACAAG GCCTGAGGAG AGACTGGGAT GCCTGTCTTG					60
45						
15	CCCCCACCNC NTTGTCTAAT	CIGIAGAAGC	IAAIAAAIAA	TCATCCNINC	TIGCCIAAA	179
	SEQ ID NO:2180					
	SEQUENCE LENGTH: 179					•
	SEQUENCE TYPE: nucleic	acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS02490					
	SEQUENCE DESCRIPTION:					
	GATCCAATGG AGCCTGGNGA	GGTGTGCCCA	GAAAGCTTGT	CTGTAGCGGG	TTTTNTGAGA	60
25	GTNAACACTT TCCACTTTTT	GACACCTTAT	CCTGATGTAT	GGTTCCAGGA	TTTGGATTTT	120
	AATTTTCCAA ATGTAGCTTG	AAATTTCAAT	AAACTTTGCT	CTGTTTTTCT	AAAAATAAA	179
	CEO ID NO.0101					
	SEQ ID NO:2181 SEQUENCE LENGTH:177					
30	SEQUENCE TYPE:nucleic	ani d				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS02491					
	SEQUENCE DESCRIPTION:					
35	GATCTGTCCA CTCCTGGTCA	TTGGTGGATG	TTAAACCCAT	ATTCCTTTCA	ACTGCTGCCT	60
33	GCTAGGGAAA ACTGCTCCTC					
	CTGGGCAAGT GCTTGTCAAG					177
						•••
	SEQ ID NO:2182					
40	SEQUENCE LENGTH: 176					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02493					
45	SEQUENCE DESCRIPTION:					
	GATCAAAAAA CCACAGGGCT					60
	AGAGATGAAA CCTGTAAGAA					120
	TTACTITCTT AGTATGTACA	GTCTTCTCAG	GATGAGCAGT	AAAACCTTTG	AACAAA	176
50	SEQ ID NO:2183					
	DEM IN MOTOTO					

	SEQUENCE LENGTH: 175					
	SEQUENCE TYPE: nuclei	c acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS02494					
	SEQUENCE DESCRIPTION	:				
	GATCCTAAAC TCTCTAGCT	T AAGTGTAAAT	GAAGTACAGT	AGTTTCCCTA	CTGAACCCTA	60
	CCTCTTGTGT CCCTGGAAC					
	AGCCACCACA TCCCTTCAT					175
10			110/01/00/11	1110/00/100	IIAAA	110
	SEQ ID NO:2184					
	SEQUENCE LENGTH: 166					
	SEQUENCE TYPE:nuclei	r acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS02495					
	SEQUENCE DESCRIPTION					
	GATCCGGAGG GCCCAGGAGA		GCTTCAGGGT	GCCCGCAGAA	CAGGAGCTGC	60
	TCAGCCAAGA ACTGTGGCG					
20	CTNAGGGGGT CATGTGGTC				ACTAGOACCC	166
			11110010010	0017001		100
	SEQ ID NO:2185					
	SEQUENCE LENGTH: 164					
25 .	SEQUENCE TYPE: nucleio	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS02496					
	SEQUENCE DESCRIPTION:					
	GATCAAAATC AAGAAATCC		AGAAGTTGGG	TTTAGGACAG	CAGGTGCTGT	60
30	TCCGAGACTC AGTCCTAAAC					
	TGAGATAACA AATTGTAATA				2.1001000011	164
			,			
	SEQ ID NO:2186					
35	SEQUENCE LENGTH: 164					
	SEQUENCE TYPE:nucleio	acid				
•	TOPOLOGY:linear					
	CLONE: HUMGS02497					
40	SEQUENCE DESCRIPTION:					
40	GATCAGCCCC TTAAAATNAG	TTCTAGAGCA	GGTCTTCTGT	TCCAGAAGGG	GAGAAGCATA	60
•	GAGGGCCTGT GAGCTCACGT				CTTCAAGTGT	120
	CCCTTGTTTG AAATAAACTT	AGCAGAGTCA	CTTTCTATCT	TAAA		164
45	SEQ ID NO:2187					
	SEQUENCE LENGTH: 163					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
50	CLONE: HUMGS02498					
~~	SEQUENCE DESCRIPTION:					

	GATCTAATGG TTTTATAAAT	NAAAGTTCCC	CTGGACAAGT	TCTCTTGCCT	GCCACCATGT	60
	AAGATGTACC TTTGCTACTC	ATTCACCTTC	TGTCATGATG	GTGAGGCCTT	CCCAGCAATG	120
	TGGAACTGTG AGTCCATTAA	ACCTCTTTCC	TTATAAATT	AAA		163
5						
	SEQ ID NO:2188 SEQUENCE LENGTH:162 SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear CLONE:HUMGS02499 SEQUENCE DESCRIPTION:					
	GATCCTAACC AGGTAACCTG	GTCCTNTGAA	TTGAAGCTTA	TCATATACCC	AAAGCCTTGA	60
	CTAGAAATAC CTAAATAGAA	TACCATGGTC	ATTGGAAAAA	ATAGATAGTN	TTNTAAAGTA	120
15	TTATTTNAAT AAATCCTAAA	GTNTGTCTNT	CTTCTCCTCA	AA		162
20	SEQ ID NO:2189 SEQUENCE LENGTH:154 SEQUENCE TYPE:nucleic	acid .			. •	
	TOPOLOGY:linear CLONE:HUMGS02500 SEQUENCE DESCRIPTION: GATCCTGGCC ATGAATGAAA	ACCATAAGAA	GAAAGAGAAG	AAATGAAGTG	ACCATCCAGC	60
25	CTTTCCCAAT NAGACTTCCT		•			
20				CHITHUCK	ACATTACAGG	154
	TGGTGTGTTC TGTGATAATG SEQ ID NO:2190	AAAAUUAIUA	UAAA			134
30 .	SEQUENCE LENGTH: 154 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS02501 SEQUENCE DESCRIPTION:	acid				
35	GATCAAAGCC AGCNACCCCC GTAAATCCCA GCCTGGCCAT TAGCAGTGGC AGAATAAACT	ACCCTCAACC	TCAGTGGGCT			
40	SEQ ID NO:2191 SEQUENCE LENGTH:153					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02502					
45	SEQUENCE DESCRIPTION:				00000 t 0 t 00	
	GATCGCCCCA CTGCAATCCA					
	TTCTTATGTT TGTGTTATTT ATTTGTGGCA ATAAAAATNA			TTTTTCACAA	CAATTTATCA	120 153
50	SEQ ID NO:2192			•		

	SEQUENCE LENGTH: 151					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUNGS 02503					
	SEQUENCE DESCRIPTION:					
	GATCATGGTG ATTTTACTGC	TGCTTGTGGC	TATCGTGGTT	GTTGCAGTCT	GGCCGACCAC	60
	CAGCAGTNAC ACCTGCCAAT	NACAGATGCA	AGCCCAACAC	CCTTTTGGTA	CGCAAAACCT	120
10	GCTCTCAATA AATTCCCCCA	AAGCTCTGAA	A			151
10						
	SEQ ID NO:2193					
	SEQUENCE LENGTH: 371					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS02504					
	SEQUENCE DESCRIPTION:					
	GATCCCAGGA ACCTTCCTNC	TCCAGGGCAG	CACAGGACTC	AGCCATGTNT	GGACCGGCCC	60
20	TGCTGAGGCT ACAGTCACTC	TGGAAGCTCT	GCGCTTCATC	AGGNGGCAGG	ACTGTGGCGG	120
	GAGGGGTCCT TGAAGATGGG	TGTGGGGAGC	AGTGGGTCAG	GAAGTGGGAG	CCAGAGGTTT	180
	GACTCACTTT GCTTTATTTT	TCAGGCTACA	ATACAGGTCA	GAGACAATGG	CTTATAAAGG	240
	TTTAGTGTGG TCTCAGGATG	TGACAGGCAG	TCCAGCCTGA	CCTTTCTGCA	CACTCCAGAC	300
	AAACTTCCCA GACAAGCTCC	TTTGTGCCTC	TACGTGGAGA	GGGTGTGGGA	AAGTTATCAC	360
25	ATTAAAAGGT N					371
	SEQ ID NO:2194					
	SEQUENCE LENGTH: 147					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02505					
	SEQUENCE DESCRIPTION:					
05	GATCAAGAAA GAGATGGAGG					
35	NAGCAGTGTG GAAAAAAAA		AACTGNCCAG	TTGTTGATAA	CCACTAAGAG	
	TCTCTATTAA AATTACTGAT	GCAGAAA				147
	CCO ID NO.0105					
	SEQ ID NO:2195	•				
40	SEQUENCE LENGTH: 145					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS02506					
	SEQUENCE DESCRIPTION:					
45	GATCTGTGTC ATTNCCCATG	ACCCCCCCCC	CCACCTCCCT	CCCTCCCCC	ACAGGCTGGA	60
	GTATTCTNAG TTCTACTGGT					
	CCCAATAAAA TGCCTGTAAC		UNUUTUUCAA	Iddoxiiido	TONGATOOOA	145
	OUNTINANA TUUUTUIAAC	LINAA				110
	SEQ ID NO:2196					
50	SEQUENCE LENGTH: 144					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02507 SEQUENCE DESCRIPTION:	acid			•	
·	GATCGCTACT CTTAAGAATA GTATGATTCG CTTACTGTTA ATGAGACTTT GTGTTTACGT	TTGTGCTGAG				
15	SEQ ID NO:2197 SEQUENCE LENGTH:143 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02508	acid				
•	SEQUENCE DESCRIPTION: GATCAGCTGG AAGCTCACTA TGCAGGCTCC TGCGGGCTCA GTAAAGGNGC AGGCAACCTC	CCACGGCTGC				
20	SEQ ID NO:2198 SEQUENCE LENGTH:141 SEQUENCE TYPE:nucleic		•			
25	TOPOLOGY:linear CLONE:HUMGS02509 SEQUENCE DESCRIPTION: GATCCAGTGA GATAGAATAC					
30	GGGAAAGAAT TGAGGAATTA TAAAAAAAAT GTTANGANAA SEQ ID NO:2199		TTTTGGTGTT	GCTTTTCAAA	TGTTTGAAAA	141
35	SEQUENCE LENGTH: 137 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS02510 SEQUENCE DESCRIPTION:	acid				
40	GATCCCTTGT GGCTATGCAG GGTTCAAACC TTGTGATTAA ATATCNAAAA CATTAAA					
45	SEQ ID NO:2200 SEQUENCE LENGTH:135 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02511					
50	SEQUENCE DESCRIPTION: GATCCCTGTT TAACTCCAAA		ACTTGGATAC	ATCATTTGTA	ACATTGTAGG	60

	AAAGAAAAAA GTCTTGGTTN TGAAAAACGA TTTGCATTTG GGTAAAATAA AGTGAC CTTTTGTTCT GTAAA	CATG 120 135
5	SEQ ID NO:2201 SEQUENCE LENGTH:135	•
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02512	
10	SEQUENCE DESCRIPTION: GATCCAGCTC AAGTGCCATC CTGCCAGTGG CCCCCAGACT GTGGGGTTGG GACGCCT CTCTGTGTCC TAGAAGGGAC CCTCCTGTGG TCTTTGTCTT GATTTTNCTT AATAAAC	CGGT 120
15	GCTATCCCCG CCAAA	135
73	SEQ ID NO:2202 SEQUENCE LENGTH:133	
20	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS02513	
	SEQUENCE DESCRIPTION: GATCACTACT GCTCTTGGAG TTCCTTCTCC TAAAGCTAAG GCCAGCCTCC ATCACAA	AATG 60
25	CCCATAAAAT CTGGCTCGTC TTTGATGAAC AATAAATATT TNTTGAACAA ATAAATA GCCCTGCATT AAA	AACT 120 133
	SEQ ID NO:2203	
	SEQUENCE LENGTH:138 SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY: linear	
	CLONE: HUMGS02514	
	SEQUENCE DESCRIPTION: GATCCTCCCG CTGGCTTCCA GACAGACCTG GGATTTTGGC AGTCATGCCG GGTGATC	GTG 60
35	TTCCTGCGGA GACCCTCAGT TGTCCTATTC CTTCCTAGCT TCCCTGCAAT AAAATCA	
	TGCTTTTGTT GGAATAAA	138
	SEQ ID NO:2204	
40	SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS02515	
	SEQUENCE DESCRIPTION: GATCATTICA CCTGATGTTT TTAAAGCATC CTAAGTACAG TAGAGTAGAA AACTNAI	የተተር <u>6</u> 0
45	TITGTTAATT GTACACTGAA TAATGCCTTT AAAAAATCAA AATAAAATTA ACAAATA	
	GTGAATGAAA	130
. 50	SEQ ID NO:2205	
JU	SECULENCE I ENGTY-176	

	SEQUENCE TYPE:nuclei TOPOLOGY:linear	c acid				
5	CLONE: HUMGS02516 SEQUENCE DESCRIPTION					
3	GATCTCCTAT GTTACCAAT	=	·	A A A CTCT A CT	ጥ አ አ ጥር ምምጥር ር	co
	TTTCTTTGCA CAATGTCTT					60
	ATTTCGAAGA ATGTGGTGT					176
			110111101010101	MIMITIAGO	LLUAAA	170
10	SEQ ID NO:2206					
	SEQUENCE LENGTH: 130					
	SEQUENCE TYPE: nucleio	acid				
	TOPOLOGY:linear					
15	CLONE: HUMGS02517					
	SEQUENCE DESCRIPTION					
	GATCATGTTA TGAATTTGTA					60
	TGCACGTATG ANAAACCTAT	T ATTTNAATAC	TGCTGAAACA	GACATGAAAT	AAAGAATTTA	
20	AAGAATGAAA					130
	SEQ ID NO:2207					
	SEQUENCE LENGTH: 128					
	SEQUENCE TYPE: nucleio	acid				
25	TOPOLOGY: linear					
	CLONE: HUMGS02518					
	SEQUENCE DESCRIPTION:					
	GATCTAGCTT CTGGCTCTG1	GTGTTTATTG	ACCAGTGGTG	TGCCTTGAGA	AACCAGAACT	60
30	CTCTGAATTT CAGTTTTGTC	TCTNTNTAAA	TGAAGAAGGT	TGTAATAAAA	AAAATCTCAA	120
	GTTTCAAA					128
	000 VD W0 0000					
	SEQ ID NO:2208					
35	SEQUENCE LENGTH: 349 SEQUENCE TYPE: nucleic					
33	TOPOLOGY: linear	aciu				
	CLONE: HUMGS02519					
	SEQUENCE DESCRIPTION:					
	GATCCGTCAT GGNCAACGAG	AAGCACAGCA	AGAACATCAC	CCAGCGCGGC	ATACGTCGCC	60
40	AAGACCTCGA GAAATGCCCC					120
	TCACTTTTGT NGTCTGTGG1	TCTGCAATTT	TCCAGATTAT	TCAAAGTATC	AGGATGGGCA	180
	NNTGAAGTGA CTGACCTTAA	NTGTTTCCAT	TCTNCTNTGA	ATTTAACTTA	ACTCATTCCT	240
	GATGTTTGAN CCCTGGTTNA				NCTATCATNT	300
45	TCATGTGCAT TCAAGNTTCT	CATNGCATCC	ANGTTCTAGN	CAACACAGN		349
	070 ID VO 0000					
	SEQ ID NO: 2209					
	SEQUENCE LENGTH: 127 SEQUENCE TYPE: nucleio	anid				
50	TOPOLOGY: linear	. atiu				
	- · · · · - 					

5	CLONE: HUMGS02520 SEQUENCE DESCRIPTION: GATCACCAGG CAGCGACCTC AAGCGNTGCC GNCGGACCTG CCNTTTN			
10	SEQ ID NO:2210 SEQUENCE LENGTH:126 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02521	acid		
15	SEQUENCE DESCRIPTION: GATCTGGGCC ACTTCCCTCC TTCAGGTGTA TATTTTGTAG AAGAAA			
20	SEQ ID NO:2211 SEQUENCE LENGTH:126 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02522	acid	. •	
25	SEQUENCE DESCRIPTION: GATCTTTCAT AAAGCAGAAT ATTCGTTGTT ACAAAACCAA TGGAAA		 	60 120 126
30	SEQ ID NO:2212 SEQUENCE LENGTH:127 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02523	acid		
40	SEQUENCE DESCRIPTION: GATCTCGCAA AGTTATTCTT GAGGAAGCTG AGCAGACCCC TGTCAAA			60 120 127
45	SEQ ID NO:2213 SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02524	acid		
50	SEQUENCE DESCRIPTION: GATCAATGTA CTTTTTATAA TTTATTATTC TTAAATGCTG			

5	SEQ ID NO:2214 SEQUENCE LENGTH:121 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02525 SEQUENCE DESCRIPTION:	acid		
10	GATCAGTTTG GAGAGTAGGG AGAATTATTT TTGTGTTTCT A			
15	SEQ ID NO:2215 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02526 SEQUENCE DESCRIPTION:	acid .		
20	GATCCCCGCA TGGTGTTGGG TACAGATGAG AGGTGGCTGA GAAA		 	
25	SEQ ID NO:2216 SEQUENCE LENGTH:120 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02527	acid		
30	SEQUENCE DESCRIPTION: GATCAAAAAG GGGTCTGAGG GAGAACCTGA CAGCAAGTAA			
35	SEQ ID NO:2217 SEQUENCE LENGTH:120 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02528	acid		
40	SEQUENCE DESCRIPTION: GATCTGAGTT CTGAGCAAGT CCGGCCCACC TGTTTAACTC			60 120
45	SEQ ID NO:2218 SEQUENCE LENGTH:120 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02529	acid		
50	SEQUENCE DESCRIPTION:			

	GATCGGAACT GTAAAGCTAT					60
	TAAAACATAG ACGTTTATTT	ATGTGATTAA	NTTCTATTAA	AATTTACATG	CTAAANTAAA	120
5	070 ID NO 0010					
·	SEQ ID NO:2219					
	SEQUENCE LENGTH: 115					
·	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
10	CLONE: HUMGS 02531					
	SEQUENCE DESCRIPTION:					
	GATCCAGTTT TTCTTGGGAG					60
	GCCTGCTCTA GAATTGAAAG	ACTTCAGCAG	TATTAAAGCA	TTTTTTAATC	TTAAA	115
15	050 ID NO 0000					
	SEQ ID NO:2220					
	SEQUENCE LENGTH: 122		•			
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
20	CLONE: HUMGS02532					
	SEQUENCE DESCRIPTION:	a	=			
	GATCTGTATT TGTATATGCT					60
	GTACTGGATG CAAAGCTAGA	AAATATTGCA	ATANNTGAGA	CCGATGAAAG	ACTICICIGA	
25	AA					122
	SEQ ID NO:2221					
	SEQUENCE LENGTH: 110					
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	aciu				
30	CLONE: HUMGS02534					
	SEQUENCE DESCRIPTION:					
	GATCTTGGGC AAGTTAATCT	CTGGGAACTT	TGGGTTTCTT	ATCCTCAAAA	AAGGCGATGG	60
	AAGGNCTGGG NCNCGTGATT			•		110
35						
	SEQ ID NO:2222					
	SEQUENCE LENGTH: 109		•			
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS02535					
	SEQUENCE DESCRIPTION:					
	GATCGATGGT ACTTTTTGAA	AATGCTTTAT	TGCAAAAAG	TGGCTAGGGT	TTTACAAGGN	60
	CTATGAAGAA ACATATTAAG	GTTAATAAAG.	CTTTTTATTG	AGTGTTAAA		109
45	•					
	SEQ ID NO:2223					
	SEQUENCE LENGTH: 105					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY:linear					
	CLONE: HUMGS02537					

	SEQUENCE DESCRIPTION:	
	GATCCTCCCT TAGAGCATTT GGAAGAGTGT GGCCCTGCCA ACACCTTGAC TTCAAACTTC 6	0
	TGGCCTCCAT AACTATGAAA TAAATNCTTG TTGTTTTAAG CCAAA 10	5
5		
	SEQ ID NO:2224	
	SEQUENCE LENGTH: 108	
	SEQUENCE TYPE:nucleic acid	
10	TOPOLOGY: linear	
	CLONE: HUNGS02538	
	SEQUENCE DESCRIPTION:	
	GATCTGTCCA CTTCTGGTGT CAAAGATTTT ACTCATCTTC TTAGTACATT CTATGTATTT 6	0
	NATATGTATA ATTTTATACA ATTAAAAATA GATTTTNGTC TAGTGAAA 108	8
15		
	SEQ ID NO: 2225	
	SEQUENCE LENGTH: 102	
	SEQUENCE TYPE:nucleic acid	
20	TOPOLOGY: linear	
	CLONE: HUMGS02540	
	SEQUENCE DESCRIPTION:	
	GATCTTATAT CATTACAGTA GCCTTTTTGT AGAATCCATC CTATTTTCCA CATGGATAAT 60	-
25	CATGTCATGA AGAATAAAGA CAGTTTTACT TCTTTCCTTA AA 102	3
	SEQ ID NO:2226	
	SEQUENCE LENGTH: 100	
•	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
30	CLONE: HUMGS02542	
	SEQUENCE DESCRIPTION:	
	GATCCCAGGG GAGGGGTCTC TCCTCCCACC CCAAGNCATC AAGCCCTTCT CCCTGCACTC 60	1
	AATAAACCCT CAATAAATAT TCTCATTGGT CAATCAGAAA 100	
35	•••	•
	SEQ ID NO:2227	
	SEQUENCE LENGTH: 97	
	SEQUENCE TYPE:nucleic acid	
40	TOPOLOGY:linear	
-	CLONE: HUNGS02543	
	SEQUENCE DESCRIPTION:	
	GATCTGCTGC TTCCAAGTTG TGTGACCTTG GCTAAGTCAC TTAACCTTTC TGATTGTCAT 60)
	TTCGCTTTTT AATAAAGTGG GTCTGGTGAA CAAGAAA 97	r
45		
	SEQ ID NO:2228	
	SEQUENCE LENGTH: 97	
	SEQUENCE TYPE:nucleic acid	
50	TOPOLOGY: linear	
	CLONE: HUNGSO2544	

	SEQUENCE DESCRIPTION:					
	GATCCCACTG TATGGCTATA C	CGGTATTTTA	TCAGTGCATC	CACTGTCGGG	TTTTTCCCCT	60
	TGTGGACTAT TATGAATAGT G					97
5		30210001141	urdomm.			٥.
3	CEC ID NO COCC					
	SEQ ID NO:2229					
	SEQUENCE LENGTH: 94					
	SEQUENCE TYPE: nucleic a	acid				
	TOPOLOGY:linear					
10	CLONE: HUNGS02545					
	SEQUENCE DESCRIPTION:					
	•					
	GATCAGGTGA GCTGTGTCCA G			GUAAGUAGUA	ATGAACGTTT	
	CATTCTCGTT AATAAAGGCA T	TATCCTAAT	TAAA			94
15						
	SEQ ID NO:2230					
	SEQUENCE LENGTH: 102					
	SEQUENCE TYPE: nucleic a	ncid				
	TOPOLOGY: linear	iciu ·				
20						
	CLONE: HUMGS02546					
	SEQUENCE DESCRIPTION:					
	GATCTAATCT ATTCCTGGGG C				CTAGGACTCC	60
	TTTCTAAGCC CCTAATAAAA T	GTCTGAGGG	TGTCTCATGA	AA		102
25						
	SEQ ID NO:2231					
	SEQUENCE LENGTH: 93					
	SEQUENCE TYPE:nucleic a	nid.				
	*************	icia				
30	TOPOLOGY: linear					
	CLONE: HUMGS02547					
	SEQUENCE DESCRIPTION:					
	GATCATATAT TTGTGGCATA C	CAGTGTGATG	TTTTGACATG	TTTAATATAN	TGTATACAAT	60
	GTGGAATGAT TAAAACAAGC T	TAATTAACAT	AAA			93
35						
	SEQ ID NO:2232					
	SEQUENCE LENGTH: 92					
	SEQUENCE TYPE: nucleic a					
		icia				
40	TOPOLOGY: linear					
	CLONE: HUMGS02548					
	SEQUENCE DESCRIPTION:					
	GATCTGCACT TCCTCCCCTT T	TOOKTOOKO	GTACACCTAA	CCTGGCCTTA	GACTGAGCTT	60
	TATTTAAGAA TAAAATCGTG G	TGGTGGTCA	AA			92
45						
	SEQ ID NO:2233					
	SEQUENCE LENGTH: 91					
	SEQUENCE TYPE: nucleic a	noid				
		ic i u				
50	TOPOLOGY: linear					
	CLONE BUMBS02544					

	SEQUENCE DESCRIPTION:		
	GATCAGTGGC TGCTGGGTGG CGGGT	ACCCT TNCTCAGATG CCTGGCAGGN CTGGNTGGC	CG 60
	ATTCATAAAG ACCTCGTGTT GATTC		91
5			
	SEQ ID NO:2234		
	SEQUENCE LENGTH: 89		
	SEQUENCE TYPE: nucleic acid		
	TOPOLOGY: linear		
10	CLONE: HUMGS02551		
	SEQUENCE DESCRIPTION:		
	GATCTAACCC CTTACCCATC TNTCTA	ACTGC TGGACTGTGG AGGGTCACCA GGTTGGGAA	AC 60
	ATGCTGGAAA TAAAACAGCT GCAAC		89
15			00
	SEQ ID NO:2235		
	SEQUENCE LENGTH:88		
	SEQUENCE TYPE:nucleic acid		
	TOPOLOGY: linear		
20	CLONE: HUMGS02552		
	SEQUENCE DESCRIPTION:		
		GATTG TAAAGTTTGG GGACTTACCT CTGTAGCAT	T 60
	GTGAAAATAA ACTTTGATTA AGCTGA		88
25			
	SEQ ID NO:2236		
	SEQUENCE LENGTH: 88		
	SEQUENCE TYPE: nucleic acid		
	TOPOLOGY:linear		
30	CLONE: HUMGS02553		
	SEQUENCE DESCRIPTION:		
	GATCACCTCG GCGTCTGTTT TGTATO	GCTCT TTACCTATGG ACTAGTTTGT GGACGGCTA	A 60
	GAAATACAGC CTCAGCATTG ATTTGA		88
35			
	SEQ ID NO: 2237		
	SEQUENCE LENGTH:88		
	SEQUENCE TYPE: nucleic acid		
	TOPOLOGY: linear		
40	CLONE: HUMGS02554		
	SEQUENCE DESCRIPTION:		
	GATCTTAAGG AGTGTAATTT GCAATC	CTAAT TTTATCCTCT TACTCTGTGT TGTTAAACC	A 60
	TATACAATAA ACGGTGTTTA TGGAGA		88
45			
	SEQ ID NO:2238		
	SEQUENCE LENGTH: 96		
	SEQUENCE TYPE: nucleic acid		
	TOPOLOGY:linear	·	
50	CLONE: HUMGS02555		

	SEQUENCE DESCRIPTION:	
	GATCTGGCTG TGAGGCCCTC AGGGCAGGGA TACAAAGCGG GGAGAGGGTA CACAATGGGT	60
	ATCTAATAAA TACTTAAGAG GTGGAATTTG TGGAAA	96
5		
	SEQ ID NO:2239	
	SEQUENCE LENGTH: 86	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
10	CLONE: HUMGS02556	
	SEQUENCE DESCRIPTION:	
	GATCCGGGGA CCAGGGGCTG ACCTCCATTC GTACCCCACT GCTTTGGAGN TGATGGGACT	60
	ATCAATAAGA ACTCTGTTCA CGCAAA	86
15		
	SEQ ID NO:2240	
	SEQUENCE LENGTH: 90	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
20	CLONE: HUNGS02557	
	SEQUENCE DESCRIPTION:	
	GATCAAACCA TTTNACCTGG AGTTTGGTAC TGGTTTTAAC TTCTCTNAAT CTGTATAAGA	60
	AAAATGAAGA CAATTGAACT TTCAAACAAA	90
25	ADDITORIUM CARLES COMPANIAN COMPANIA	
	SEQ ID NO:2241	
	SEQUENCE LENGTH: 85	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
30	CLONE: HUMGS02559	
	SEQUENCE DESCRIPTION:	
	GATCCAAGTT TTGCGGGGTC TAAAGCTGTG TGTGTTGAGG GGGATACTAA GTTTATGAAA	60
	AAGAATAAAA AACACAACCA CGAAA	85
35		
	SEQ ID NO:2242	
	SEQUENCE LENGTH: 84	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
40	CLONE: HUMGS02560	
	SEQUENCE DESCRIPTION:	
	GATCTCGCCA CINTTCTCCA ACCTGGGCAA TAAAGCAAGA NCCTGTCTTC AAACAAGCAA	60
	ATAAAAACTT CCTTATCCTG CAAA	84
45		r
	SEQ ID NO:2243	
	SEQUENCE LENGTH: 80	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
50	CLONE: HUMGS02562	

	SEQUENCE DESCRIPTION:	
	GATCCTGTTA GCTTTCTGAA TGTTCTGTGG TTGAATGTGT TTTTGCTTAA ATAAAGCTT	r 60
	TGGTATTTGT TTAAATTAAA	80
5		
	SEQ ID NO:2244	
	SEQUENCE LENGTH: 79	
	SEQUENCE TYPE: nucleic acid	
10.	TOPOLOGY:linear	
10.	CLONE: HUNGS02563	
	SEQUENCE DESCRIPTION:	
	GATCCCAACC GTTTGGCACA GCTTTGGCCA CAGCCAGGCC CCTCTGGAAT TGTCCTTATT	09 1
	AAACCAGTTT CCCGAGAAA	79
15		
	SEQ ID NO:2245	
	SEQUENCE LENGTH: 78	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
20	CLONE: HUMGS02564	
	SEQUENCE DESCRIPTION:	
	GATCCGGGTC AATGCTTCGT TTTCTAAAGG ATGCTGCTGT TGAAGCTTTG AATTTTACAA	. 60
	TANACTITIT GAAACAAA	78
25		
,	SEQ ID NO:2246	
	SEQUENCE LENGTH: 76	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
30	CLONE: HUMGS02565	
	SEQUENCE DESCRIPTION:	
	GATCTTGGTT TTCCATGAAT ACAGCATGTA TAATAAAAAT TTTAAGAAAT AAATGTTATT	60
	CTACTTTATT AACAAA	76
35		
	SEQ ID NO:2247	
	SEQUENCE LENGTH: 74	
	SEQUENCE TYPE: nucleic acid	
40	TOPOLOGY: linear	
40	CLONE: HUMGS02567	
	SEQUENCE DESCRIPTION:	
	GATCTTCTGC CGGGCGTGCC CCAGAGGACA GTGGGTGGAG TGGTCCTACT TATTAAATG	00
	CTCAGCCCCT CAAA	74
45	•	
	SEQ ID NO:2248	
	SEQUENCE LENGTH:73	
	SEQUENCE TYPE: nucleic acid	
50	TOPOLOGY:linear	
J0	CLONF - HINGS 02568	

	SEQUENCE DESCRIPTION:	
	GATCTCACCT TTGCAAAGTT GGATAGTCAA TTTGTTTTTA GAGGAAATAA AACACTTATT	60
	CTGTGATTTT AAA	73
5		
	SEQ ID NO:2249	
	SEQUENCE LENGTH: 73	
	SEQUENCE TYPE: nucleic acid	
10	TOPOLOGY: linear	
.•	CLONE: HUMGS02569	
	SEQUENCE DESCRIPTION:	
	GATCTGGAGA GAAAAACATT CAAACCATTG CATCATACAA AAAAAAGGCT ATTAAAAATT	60
	GGATTATAGC AAA	73
15		
	SEQ ID NO:2250	
	SEQUENCE LENGTH: 72	
	SEQUENCE TYPE:nucleic acid	
20	TOPOLOGY: linear	
20	.CLONE: HUNGS02570	
	SEQUENCE DESCRIPTION:	
	GATCAGAGTA AGAATGTCTT AAGAAGAGGT TTGTAAGGTC TTCATAACAA AGTGGTGTTT	60
	GTTATTTACA AA	72
25		
	SEQ ID NO:2251	
	SEQUENCE LENGTH: 74	
	SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY: linear	
00	CLONE: HUMGS02571	
	SEQUENCE DESCRIPTION:	
	GATCAAATCT GTACAGTTTC TATTGTTCCA GATTTTTTTA AGTTTGTATT AAAAGCATGA	60
	TACATAATAG TAAA	74
35		
	SEQ ID NO: 2252	
	SEQUENCE LENGTH:71	
	SEQUENCE TYPE: nucleic acid	
40	TOPOLOGY: linear	
	CLONE: HUNGS02572	
	SEQUENCE DESCRIPTION:	
	GATCTTTTCA GTGTTTTTTC ACTTTAGCTA TGTGGATTAG CTAGAATGCA CACCAAAAAA	60
	ATACTTGAGC N	71
45		
	SEQ ID NO: 2253	
	SEQUENCE LENGTH:71	
	SEQUENCE TYPE:nucleic acid	
50	TOPOLOGY:linear	
	CLONE: HUNGS02573	

	SEQUENCE DESCRIPTION:					
	GATCCAGGAG GGAGCCACCC	CCAAGGACCC	TGCCAGCCAC	AGACCTCCAA	TAAAGACAGC	60
	ATGGAAACAA A					71
5						
	SEQ ID NO:2254					
	SEQUENCE LENGTH: 71					
	SEQUENCE TYPE: nucleic	acid				
10	TOPOLOGY:linear					
	CLONE: HUNGS02574					
	SEQUENCE DESCRIPTION:					
	GATCTGATGT GAATTCAGAT	TTCCAATCTT	CTCCTAGCCA	ACCATTTTCC	TGGAATNAAA	60
	AATTCAGTAA A					71
15						
	SEQ ID NO:2255					
	SEQUENCE LENGTH: 69					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acia .				
20	CLONE: HUMGS02575					
	SEQUENCE DESCRIPTION:					
	GATCCAGAAG TTCTAAATCC	AGGATTTTAA	TTAGTAACTC	AAATAAAATG	CCACACATTT	60
	TCATACAAA	114411111111111111111111111111111111111		.,,		69
25						
	SEQ ID NO: 2256					
	SEQUENCE LENGTH: 69					
	SEQUENCE TYPE: nucleic	acid				
30	TOPOLOGY: linear					
30	CLONE: HUMGS02576					
	SEQUENCE DESCRIPTION:					
	GATCATAGTA GTGCCGCTGT	TGAGTGATAA	AGCAACTTGT	CATTAAAGAT	GTGTGTNCAG	60
	ACATGGAAA					69
35						
	SEQ ID NO:2257					
	SEQUENCE LENGTH: 69					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS02577 SEQUENCE DESCRIPTION:					
	GATCCCAGCC CAAATNNGCC	CATTCACACA	ATCAGGAGCN	AAATAAATTA	CTGTTGTCTT	60
	AACACTAAA	ONI TONOMON	mionadnao		••••	69
45	MONOTHUM					
<i>'</i>	SEQ ID NO:2258					
	SEQUENCE LENGTH: 68		•			
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					
50	CLONE: HUMGS02578					

5	SEQUENCE DESCRIPTION: GATCTTCAGC TGTTTGCCCG CAATGAAA	TNCTTATTAC	ATAAACTGAA	AACAGGATAA	AAACGGAGTG .	60 68
10	SEQ ID NO:2259 SEQUENCE LENGTH:63 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE:HUMGS02580 SEQUENCE DESCRIPTION: GATCTGTCAA AGATATGAAC AAA	ATGAAAGAAC	AGCTTATTTC	AATAAACCCA	CTTTACATAC	60 63
15	SEQ ID NO:2260 SEQUENCE LENGTH:63					
20	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02581 SEQUENCE DESCRIPTION:	acid				
	GATCAAAAGT AAATGTTCTC	TTTGCCATTT	TAGATGGAAA	AATAAAAAAA	ATTAAAAAGT	60 63
25	SEQ ID NO:2261 SEQUENCE LENGTH:86 SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear CLONE:HUMGS02582 SEQUENCE DESCRIPTION: GATCTACATG AAGGAACTGT	ACATCATGTA	ተ ጥተጥተጥር ልጉ	CTTTTTTGTT	ΔΑΓΤΓΑΤΤΤΓ	60
	CAATAAAAAT GATACTGATG		IIIIIIICAI	CITITITUTE	Morumina	86
35	SEQ ID NO:2262 SEQUENCE LENGTH:60 SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGS02583 SEQUENCE DESCRIPTION: GATCCCTTTT TTATTTTGTG		ATAGTATAAA	AATCCTTTTA	AAAAAACAAA	60
45	SEQ ID NO:2263 SEQUENCE LENGTH:67 SEQUENCE TYPE:nucleic					
50	TOPOLOGY:linear CLONE:HUNGS02585 SEQUENCE DESCRIPTION:	aciu				

	GATCAAAACA GGATTCCATT GACCTAATTA TATTAAGCTA ATAAACTAAT TTTTTGAATT TTTGAAA	60 67
5	SEQ ID NO:2264 SEQUENCE LENGTH:58	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	CLONE: HUMGS02586 SEQUENCE DESCRIPTION:	
	GATCAATATT TATTGACTTG TAGTAACTGC CACCAATAAA GCAGTCTTTA CCATGAAA	58
	SEQ ID NO:2265	
15	SEQUENCE LENGTH:55 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS02588	
20	SEQUENCE DESCRIPTION:	
	GATCAATAGA CTGTACTTAT TTTCCAATAA AATTTTCAAA CTTTGTACTG TTAAA	55
	SEQ ID NO:2266	
	SEQUENCE LENGTH: 53	
25	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear CLONE:HUMGSO2589	
	SEQUENCE DESCRIPTION:	
30	GATCATTCTC AGTATCCACT GTCTATGTAC AATAAAGGAT GTTTATAAGC AAA	53
30		
	SEQ ID NO:2267	
	SEQUENCE LENGTH:53 SEQUENCE TYPE:nucleic acid	
35	TOPOLOGY: linear	
	CLONE: HUMGS02590	
	SEQUENCE DESCRIPTION:	
	GATCCATTIN TITTGTGAAT GTGCTAAATA AAAAGTGTTA TNAATTGCTG AAA	53
40	SEQ ID NO:2268	
	SEQUENCE LENGTH: 52	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
45	CLONE: HUMGS02591	
	SEQUENCE DESCRIPTION:	
	GATCCTGCAT CCCACTCCCT GGGAGCCAAT AAAGTGCATT TTCACAGGCA AA	52
	SEQ ID NO:2269	
50	SEQUENCE LENGTH-50	

	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02592	acid				
5	SEQUENCE DESCRIPTION: GATCACAAAG TCAAAAACCC	ATAAGAAAAA	TTGAAAAAGC	TACAAGCAAA		50
10	SEQ ID NO:2270 SEQUENCE LENGTH:50 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02593	acid				
15	SEQUENCE DESCRIPTION: GATCATATTT TCTATTAAAG	TGGCTAACAC	CTGGCTACTC	TTACTGTAAA		50
20	SEQ ID NO:2271 SEQUENCE LENGTH:290 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02612 SEQUENCE DESCRIPTION:	acid				
25	GATCTGTAAA TAAAATCAGT ATTAGGTGTC AAGACACCTA TAAGGCTCCT CCCAACTCTC CGCTGAGATA CTGGGGCTGT GAGTGCATGA GTTGCTTCGA	GTTCTTTCTG ATTTTCCTTT AGTAGTATAA	GGGCCACCCG GGAAAACAAG AAGCTCACAG	GCTGGCCTCA ACTTTTTTCC TTCCTTCTGA	CTGCTTATAT CCATGGTTAC GTGCTGAAAA	120 180
30	SEQ ID NO:2272 SEQUENCE LENGTH:556 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE: HUMGSO2627 SEQUENCE DESCRIPTION: GATCTGTGCT TCCNACTCAC GCTTTCTAAC AGGTTCTCGT					
40	CCATCCACAG TGTACATTGG ACTGACAGGT CAATATCTGA ATTAGTTGTG CCTGGAGTAT	GCTCCTTGGC TGAGAGCATC	ACAACACACA AGTGGCCGGG	TGTCCAGGGA AACATCAGGC	GTGGCCAGTA AAGATGTGAT	240 300
45	GTTTTAAAGA GCCTTGAATG GAGCTCTGGA AGGTTTAAAA CAAGCACTTC TGCTTTCCTT TTTTNCNNNA TTTTCCCCTT TTGNTCNCNT TTTAAA	GCAGNGAAGA CATAGNACTT	NCCTTGCCTT TGTAAATTAT	TGTCTAAATT TTCAATTGGC	CTGTAAGTCT TTGGTTNATT	420 480
50	SEQ ID NO:2273 SEQUENCE LENGTH:527		•			

:

	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
5	CLONE: HUMGS02628 SEQUENCE DESCRIPTION:			•		
3	GATCTGAACA TCTGGCCCAA	GTGAAGCATG	GCATATAGTG	CCCTTGGAAG	AAAATTAGGC	60
	CTCAAATGAC AGTAGCATTG	AAGTGTTTGC	TGCAGAGTTG	AGGGAAACCC	CCAGCCACCC	120
	TCCCGGAATC CGAGATAGGG	TGGCACATCT	GTCCTGACAG	ACGAGGAGTG	TAACTNAACC	180
	AGGAATATTT CCTCCATTCC	TGCTCTCCCA	CTGCACACAG	GGTGGTGGCA	CATTATCCCT	240
10	CTGGGGGGTG GGGACGCCTG	TTGTTTTGGC	TCAATTTGGG	TTTGTTGGTC	ACATGGAGCT	300
	CTTCCATTTC GTTTAGCTGA	ATAATGAGTT	GTTCCTAGAG	GAGACAGCCT	GTCTCTCCTT	360
	GTTNNCCNCA AAGCCCATGN	CCTGNCGTGG	TGGANCTGGG	GCTTTTGGNT	GGGGAGGGGN	420
	CCCAACAATG GATNTTNTTN	CCTTNCTCCG	AATTCCAACG	GANTNNAATG	TNCAAAGGCC	480
15	CTTTNGAAAC TTGGNGGGAA	ANTTAATTNC	TNTNCCCTNG	NNGTGGN		527
	SEQ ID NO:2274					
	SEQUENCE LENGTH: 458					
20	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02629					
	SEQUENCE DESCRIPTION:					
	GATCAGCAGC CAATATGGGT					
25	AATAGAAACA AATTTTATG					
	ACCATATATA CCATTAGGCC					
	CAGAAAGANC TCAGATGTAC					
	CATAAGATGA ATTTAATNNN					
30	CCATGACCCA GTGTCTAGAG					
	TTTCCATTTT GGGGAACAGG			CATGGGTAAA	ATTCCCCTGT	
	GCTAGTGTAG GNCTTTCCTN	GGGGAATGTT	TTATGGGN			458
	SEQ ID NO: 2275					
35	SEQUENCE LENGTH: 452					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02630					
40	SEQUENCE DESCRIPTION:					
70	GATCGACTAC AAGCCAGCCC					
	GCATCCCCAG TCTTGAGGNT					
	TGCCTACGTC TAAGCTGGGC					
	GGGACCCGGC CTTCCTGGGN					
45	ACATCTAGGA CGNCTCCGGT			-		
	CCGGGCAAAG GGTCTTTTGC					
	CCGNAGGACC AAAACCCTTG			GGAGATGGAT	TTGGGAGTTT	
	GGCAANAGGG TTGGACCCNA	NGNGGGCCCG	GN			452
50	SEQ ID NO:2276					

	SEQUENCE LENGTH: 451					
	SEQUENCE TYPE: nucleio	acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS02631					
	SEQUENCE DESCRIPTION:					
	GATCTTGTTT ACTTTTGGAC	ATCAAGCCCA	TCACTGCCAG	CCAGTNAAGA	AGGATTCCAG	60
	CCTATGCCCT CAATCACAA1					
10	TGCATTTCTC GACTTTACGT					
10	TTACTCGCCA TTAAGACCAA					
	TGTGTAATAT TACTAGCAAA					
	AAGTTAATGC TGTCATACCC					
	TGCTGAGTTT ATAGCTTAAA					
15	GGGTTTGCTA GGTCACCAAC					451
	SEQ ID NO:2277					
	SEQUENCE LENGTH: 446					
20	SEQUENCE TYPE:nucleio	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02632					
	SEQUENCE DESCRIPTION:					
	GATCCAGCCA GGCATCTCGG					
25	CTGTGTACAT GGAGTACCAC					
	CTTCAAGCGC TTTAGGAAAT					
	CACCCTTGTT GGAAAGGGNT					
	TCCAGCGTTG GCCAAATTGT	GCTGAGGAAG	ATGCATCAAG	NGNTTGGCTG	TGCCTTCATA	300
30	GGTCATCTAG GGTTTTATAA					
	GGGGTCATTT TCTGTATATA		ATATTTAAGG	TGTAGTTTAT	GTTACCGTTC	420
	TGAATAAACA GATTNGGCCA	TTNAAA				446
35	SEQ ID NO:2278					
33	SEQUENCE LENGTH: 425					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02633					
40	SEQUENCE DESCRIPTION:		i cantacasa	**************************************	GT0T+00+00	-
	GATCCACACC TGACCCTGTT					
	TNTGTTCTTT GAGTTCACAT					
	CCTAGCACAT CCTATTTCTT GTTGCTGTCC CATTTTGTCA					
45	CCAACTCTGT TGAAATTCTT					
· -	GAGGCCCCCA GCCTAGTAAA					
	GTGTGTATAA ATATATGATA					
•	GGGCN	IAUUAIIUAI	MILIDIAN	CIANUGUCUA	IAIIAIIUAA	425

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SEQ ID NO:2279

5	SEQUENCE LENGTH:414 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02634	acid .				
	SEQUENCE DESCRIPTION:					
	GATCTGCCTT AACTCCAACT					
	GATGCTGCAG AGGCTAGGGC				_	
10	AGTATTTCTT AGGAANNNTA AAATGAGAAG TATTGTAATT					
	TAGTTTGAAA GANTCCAACT					
	TGAGACAGGA GCATAGCAGA					
	TGNTGTGATG CCATTACATC					
	IUNIUIUNIU CCAIIACAIC	IUNAAIAAIC	IGGGCCAINI	CAUCIUCIAA	LUUN	414
15	SEQ ID NO:2280					
	SEQUENCE LENGTH: 293					
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	aciu				
20	CLONE: HUMGS02635					
	SEQUENCE DESCRIPTION:					
	GATCTCACCT TCCTTCGAAT	TEGETECAAG	AAAAATGAAA	TTATGGTTGC	ACCAGATAAA	60
	GACTATTTCC TGATTGTAAT		•			
25	GTCATTCCTT AATTTAATGC					
	ACATGGCAGT CGCTTGGAAC					
	TCTNTNTCCC NCNCCAACGG			•		293
30	SEQ ID NO:2281					
55	SEQUENCE LENGTH: 400					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02637					
35	SEQUENCE DESCRIPTION:					
	GATCTGGCAG GGCACCACAG					
	GCCATGCAGC TGGAGGGGCC					
	AGAGCCATGG ATGGAGCCCT					
40	AAGGAGTTAC CTTAAGGTCA			•		
	TCTTTATTCA ACCTCATTCC					
	GGTTGAAGGC AAGAGGAGAA				CIGCAATAGC	360
	CTGGGGAAGG AATAAAANGG	AIAGAGGIGI	IIGGGGAAA			400
45	SEQ ID NO:2282				*	
70	SEQUENCE LENGTH: 400					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS02638					
50	SEQUENCE DESCRIPTION:					

	GATCTGTCCA ACGCCTGC	AG CGTGGATGTG	GAGGCGGACT	AATCAACNAG	TGCTCTGTTA	60
	TTATTTCTAC CCATCCCT	TT TCTCCATGCT	AATTTGCTTA	GAACTTTAAC	ATTGAATGGA	120
	CAGCAAATGT CATGTTCT	T TTAATTATCA	CTCCTTGACC	ATTATGTTAA	TTTCTTTCCC	180
5	TAACAAGGTG ACGCATTG	TTAAGTAACA	ATGACCAACT	CATCTACTCT	TCTTCCAAAT	240
	TGTGTAAATT GAANGGGT	AA AATGTGGGAA	AACGCTAAAT	TTGAATGCTA	AATTTGAACA	300
	TTTCACACAA CCAATAAT	TT TGAAATGCTT	CTTNGCAATA	TTATNGCGGT	TTCGGNACCA	360
	GGTTAAAAAT NNCTTTCA	TT TTCAGGNCAT	TTTGGTCAAA			400
10						
	SEQ ID NO:2283					
	SEQUENCE LENGTH: 386					
	SEQUENCE TYPE:nucle:	ic acid				
	TOPOLOGY:linear					
15	CLONE: HUNGS02639	_				
	SEQUENCE DESCRIPTION					
	GATCGATAAT ATAATTTA					60
	CTTCATATAG CNTTATAAG					
20	ACTTCCCTTG TAATGTTA					
	CATGTTAACA TTTTGTCT					
	TTTTATTTTT GGGTTATA					
	GCCGTCNTAN TNCCNGCA		GILIACAGIG	GNATCUNTAN	AIINUUIAII	386
25	GCCGTCMTAN TNCCNGCA	II IAGGIN				300
25	SEQ ID NO:2284					
	SEQUENCE LENGTH: 384					
	SEQUENCE TYPE: nucle:	c acid				
	TOPOLOGY: linear					
30	CLONE: HUMGS02640					
	SEQUENCE DESCRIPTION	i :				
	GATCTNNTCA AACAGCAA	AC GCCCACAGAN	GGCCCAGAGG	NGGTGGTAAT	CAGGGTGTGT	60
	GGGTGNTTTT AGGGTTCT	TT AGTGTTGTTT	CTTTCACCCA	GGCGGTGGTG	GTCCCAGCCA	120
35	GTTTGGTGCT GACGGTGA	GA GGA <mark>AATN</mark> AGA	ATCTGTTTGC	AAATTGTCCA	ACCCACCCCC	180
	TCAACATGAG GGGCTTCC	AT TTTNTGTGTT	TTGTAAGGGA	ACTGTTTCCT	TCATGCCGCC	240
	ATGTTCCTGA TATTAGTT	CT GATTTCTTTT	TAACAAATGT	TATCATGATT	ANGAAAATTT	300
	CCAGCACTTT AATGGCCA	AT TAACTGAGAA	TGTAAGAAAA	TTGATGCTGT	ACAAGGCAAA	360
40	TAAAGCTGTT TATTAACC	TT GAAA				384
40						
	SEQ ID NO:2285					
	SEQUENCE LENGTH: 383					
	SEQUENCE TYPE: nucle	ic acid				
45	TOPOLOGY: linear					
	CLONE: HUMGS02641 SEQUENCE DESCRIPTION	v .				
	GATCTTTTCT ATAATATC	•		ጉ ቦር ልጥ አ ቦር አ ር	ACACCTAAAC	EU.
	CTGTATTATG AATTACAT					
50	CTAGTTGGAA TCGTTTAC					

5	AGCAGGCTTA TGTTTGGTGG GTAAACAGAT TGCTTCTAGA GGATTTGTAG CTTAATCACA AAANTTTATG GGCATTTAAA	TTGTTACAAA TTCTAGACTT	CCAAGCCTAA	GACACATCTG	TGAATACTTA	300
10	SEQ ID NO:2286 SEQUENCE LENGTH:424 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02642	acid				
15	SEQUENCE DESCRIPTION: GATCTAAAAT ACCTGGTGGC TGATGCAATG CATCCTAGAA AGTCTTGGTG TGTGTGGTCT TTGGACACTT GCAATAAAGA ATACACATTT GTCAGCATTT GCAGCTTTGA ACTAGGGCTG	CAAACTGGCC TACTCATCTN AATTTTATTT CCGGTCGTGG	ATTTGCNAGT CTAGTACCTT TANACCCAAG TGAGAGGCAG	TTACTCTAAA TAAGGACAAA TCTCCCTGGA CTGTTTGAGC	GACTAAACAT TCCTAAGGAC TTGATAATAT TCCAATGTGT	180 240 300
20	GATAACTGGC TTTTTTCTTC					
25	SEQ ID NO:2287 SEQUENCE LENGTH:378 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		·		
30	CLONE: HUMGS02643 SEQUENCE DESCRIPTION: GATCCGAAGA GGAAGGGCGG GGGAACAAAC TAGCCCTNAA	GACGGGAATA	GTAGCCAAGA	AGCAGAAGNC	GGAGGATGAG	
35	GTATTAACAA GTAAAGGTGA GCTCACCAGT GCGGTGACGA ACCTGCCCAT GGCCTGGGAC GACAGCTTTC CCTGAGAGGA TGGACGATTC TCCAAGGN	TGATAAAACT TCTCTGCGAT	CGGCCCCTGG GTACATAACT	TGAAATNACG ATTTAATGCA	CCCCTCCCCC GCGGCANGTC	240 300
40	SEQ ID NO:2288 SEQUENCE LENGTH:370 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE:HUMGS02644 SEQUENCE DESCRIPTION: GATCTTCTTG ACTATGCCAG AGTAATATGC CTTTGTTTAA	AATTTAAATA	TTTTTTCATT	TTTTTAACCT	AGAAAATAAT	
50	TATAATGAAN NNNNTAAGTA CTTGTGCTGT TTGCATAGGT ACACATTGTG ATTTTACATC	ATACTCTATC	TTGTGCTATC	TGCATAAAAT	ATCCAAGTAA	240

	GTTGATACTG ACTAGATTGG TGTACAAGCN	TGACGTGTTT	ATGTGTACCA	CTAGTGATAA	TGCACGGTCC	360 370
5	SEQ ID NO:2289					
	SEQUENCE LENGTH: 370					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS02645					
	SEQUENCE DESCRIPTION:					
	GATCACAGGA ACAGCAGGTG	ACAGGCCTAG	CTATAGTTAG	GAATACACAA	GCCGTAAAAT	60
	CGAGTCCTTA CAGCCATACC					
	AAAGTTCCTA TTTCAGCATA					
15	TGCCTCCTGT GGGAGGCTGA	GGACTGCAAG	AGGAGAGCTA	GCAGATATGC	CTGTTCACCC	240
	CTCTCTGGTA CTTGTGGCTT	GCTAGTATGT	TTTNATGATA	ATCTCGGGCA	TTGTTTGCAT	300
	TTGTGTTTAT TAATAGGGTT	TTTGTTTTTT	GTTGTTTCCT	NTTTTNACAG	TAANGGCTGA	360
4 - 4	ATTACATAAA					370
20			•			
	SEQ ID NO:2290					
	SEQUENCE LENGTH: 367					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
25	CLONE: HUMGS02646					
	SEQUENCE DESCRIPTION:					
	GATCTGAAAG GAATGCTAGA					
	CATGCNACAG GGGGAATGGC	TCGCTTCAGT	GCCCTGCTGC	TCAAAGCTCT	AGGGNAGAAT	120
30	GCAGTCGGGT AGNCTGTGGG					
	AAACCGATGA AGCCTCCATA	ACATTGGTTC	CTTACTGACG	CTGAGGAGCA	NGGCAATCTT	240
	CACACCTTAA CCAATGCTAT					
	TAATACATAT TTTTGGCATC	TTTTGGTTAC	CCATAGACTA	ATTAAANCTA	ATCCNNGGNT	
35	TTATAAA					367
33	070 17 10 000					
	SEQ ID NO:2291					
	SEQUENCE LENGTH: 359	• 1				
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS02648					
	SEQUENCE DESCRIPTION:	01010T10	0.00000000	CACCACTCC	******	60
	GATCCTGACA GAGCCCTGAA TGGAACTATA CAGTCAGGTT					
45	TGAAACATCA TTAATTGAAG					
•	TTGTGCTTTN GNNNNNCGA					
	TACAAATCCC TTGCCAGCAC					
	TGTATTCATG CACAATAATT				-	
	INVITATION ON OUT OF THE	WINDWII IVC	CIUININIII	a radanuti de	IUVIIIUVI	003
50	SEO ID NO.2202					

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	SEQUENCE LENGTH:	357				
	SEQUENCE TYPE: nu	cleic acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS02650)				
_	SEQUENCE DESCRIP	TION:				
	GATCTGTGGG TCCGG		GAC ATAGTCCCGC	AACTCCANNT	TGCCTGTCCT	60
	GGACAGGCAC ATCTO					
	GATGGTGGCC AGCAG					
10	GGCTTTCCAA ACAGA					
	CCCCTCGNAC TINGA					
	TTGGGGCCAA TTCAA					357
	IIIUUUUCCAA IICAA	dandir ddcciid	III IIIUAAAAA	diddecima	TITIMAN	337
15	SEQ ID NO:2293					
75	SEQUENCE LENGTH:	355				
	SEQUENCE TYPE: nu					
	TOPOLOGY: linear	cierc acid				
	CLONE: HUNGS 02651	,	٠			
20	SEQUENCE DESCRIP					
	GATCCTTCTT TTTGG		AT CATTOTTAAT	GTTTTCCCTC	CAAATAGAAT	60
	ACTGTTTTAT CCATA					
	TTGGTATTAC TTGTG					
25	AATGAAAATA TGGTG					
23	CTGCTGCTGT GGAGT					
	CACTTCTCAG TATAT					355
	ONOTIOIONG INTAL	ochun ninomio	iin içiddündii	Address		000
	SEQ ID NO:2294					
30	SEQUENCE LENGTH:	330				
	SEQUENCE TYPE: nu					
	TOPOLOGY: linear	cicic acia				
	CLONE: HUMGS02652					
35	SEQUENCE DESCRIP					
00	GATCTTTTAC ACCAC		ACA CTGGGGAGAC	GTGCTTTTTT	GGNAAACTCA	60
	AAGGTGCTAG CTCCC					
	TTNCATTTAA AATCO					
	GACACAATAC TAATA					
40	GATTTCCTTT TGGGT					
	TTTTCCTTAA AATAA					330
	SEQ ID NO:2295					
45	SEQUENCE LENGTH:	352				
	SEQUENCE TYPE: nu	cleic acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02653					
	SEQUENCE DESCRIE	TION:				
50	GATCCTATGG ATTTT	CCCGG CTGGTTG	CCA CTACTNTAC	ACATTCANAG	CCCACATCCA	60

5	TCTGTGCCAT TAAGCTTTTT T ATTTGGGAAG TTGGAAAGAA A TAGATAGAAT CAGCCCTCAC T CAAAATTAGT AGACATNCAT G TTTNGAAGGG ACTGTAGTTT T	TGACAAAAT TGGTGCTTA ANGCACATN	CAGGGAGAAA TTACCAGTTA TTTAGGNCCA	ACATCCAAGC TTCANGGACA AAGGNTAGCA	TTCTTACCTG ATAACAACAA TCAACTTGTA	180 240
10	SEQ ID NO:2296 SEQUENCE LENGTH:351 SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUMGS02654	acid				
15	SEQUENCE DESCRIPTION: GATCGCAGCC GCTTCGCACG C ACCCCTGCTG CCCGGGCCAG A CCTGCCCTCA CCCAGACCTT G CCCTTGAGCC AAGCTGTGGC C	GCCTGGGCA	CGCCTCAGGA TCTGTCCCTT	ACCCACCTTT CGTCCCCAGT	AGCCCCCATC NCAGACCACG	120 180
20	GACCTCAGTG GGAGGCGTGG C TTTTTTCTAA GTGTGGGTTT A					300 351
_	SEQ ID NO:2297 SEQUENCE LENGTH:357 SEQUENCE TYPE:nucleic a	.aid				
25	TOPOLOGY: linear CLONE: HUMGS02656 SEQUENCE DESCRIPTION:	iciu				
30	GATCCCCGTT CCTGACATCA C GACGAGATGG GAAGGCACAG G TGCTGACTGT CCTNTCGNGT N	GAGAAGGGA CAGCCNGTG	TAACCCTACA GCCTTGGCTT	CCCAGACCCC TTCTAGCCTA	AGGCTGGACA TTTACCTGCA	120 180
35	GGCTGAGCCA CTNTCTTCCC T CACCNATAAT NCTNTCTGCC G GTTTTCAGGG GCCATGGGTT C	GANCCCTAGT	TCCCTCTGCT	CAGCCAAGGT	TTGTTATCAG	
	SEQ ID NO:2298 SEQUENCE LENGTH:344	:4				
40	SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUMGS02657 SEQUENCE DESCRIPTION:	acid				
45	GATCAAATTT NAGTGGCTTT C TGTGAGACCA GGTCTACCTT C TCACAGTAGT GGGTGGGCCT C	GGGACTGTTA GTTTTAAGGC	TTTAACTGAA TCTGACAGAT	TCAGTTATTT ACCACGAAAC	CCTTGAAATT ATGANGCNCG	120 180
	NNGAACTACA AGACCCCCGG (CACGGGGGTG GAGGGAGCCG (CAAACACATA ATTAAAAGGA (GAGCCTGCCT	TGTGTTCCTT	TTTTGACTTG		

	SEQ ID NO:2299					
	SEQUENCE LENGTH: 462					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY: linear					
· ·	CLONE: HUMGS02658	•				
	SEQUENCE DESCRIPTION:					
•	GATCTGGTCC CTGAGAAACA	TATTGTGATG	AAGTGGAGGT	TTAAATCTTG	GCCAGAGGGA	60
	CACTTTGCCA CCATCACCTT					
10	GANGGTCGAG GCATCCCTGC					
	TACTTTGAGG GCATTAAACA					
	CAGGGGACTC CAGCCTGCTG					
	CTCACAGGAT TGCATCGNCC					
15	TATACCTTGG GTTTNTGCAT					
.5	CTTTTAATGG TGTACATATN					462
	SEQ ID NO:2300					
	SEQUENCE LENGTH: 341		-			
20	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02659					
	SEQUENCE DESCRIPTION:					
25	GATCAACTTC CCACAAACTG	AGGAATGAAT	TCCACGAGCC	TGTTCTGAAA	ATNTGGACGT	60
	AAGACAAACA CGTGCTCGTC	CTTTAATGGA	GTTCACCAGC	ACACTTGTTA	ACCAGTCCTG	120
	TTTGCTTTCG TCTTTTTTTG	TGCGTAATAA	AGTCAACTGA	CCAAGTGACC	ATGAAAAGGG	180
	GCTGTCTGGG GCTCCTGTTT	TTNAGCTGCT	GTTCTTCAGC	TCCGACCATG	TTGCTGTGTG	240
	ATTATCTCAA TTGGNTTTAA	TTGAGGCAGA	AACTGAAGCT	CTACCAATGA	ACTGTTAGAA	300
30	ACAAGACACA CTNTNGTATT	AAAATTGCTT	GCAGTAACAA	A		341
	SEQ ID NO:2301					
	SEQUENCE LENGTH: 339					
35	SEQUENCE TYPE:nucleic	acid			•	
	TOPOLOGY:linear					
	CLONE: HUMGS02660					
	SEQUENCE DESCRIPTION:					
	GATCNGTGGC AAAACCAAGT	GTGGTCTTTC	AGCTTCAGTG	TGTTAGCATC	CCAGCACCTG	60
40	GGATGGGGTT TGTGGGCAAG	TTGATTTTGC	CACACTGTAG	GGCCCAGGTN	NNCCCATTGC	120
	CACCGTGAAG CCAAATNCTA	GCCCAAGTCT	GGTAGAGCAG	TCGGGCAGCT	AGTTTTCCGG	180
	GGAGGATGAT GTGGTGGGAC					
	CTAAATTCAT AGCCGAGAGC			AAATTTAAAA	TAATTTTCTA	300
45	AATTCTGTAT TTGGATATTA	GTGTTTAAGT	GGTAATTTN			339
	SEQ ID NO:2302				•	
	SEQUENCE LENGTH: 441					
50	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY:linear					

	ALONE : HIMARAGA	•					
	CLONE: HUMGS0266	_					
	SEQUENCE DESCRI						
	GATCCAGGGG CTGC						60
5	AGAGGAGTGT CACC						
	GACAAGCCCC TGAA						
	TTGGGGCTGC ACTT						
	GGAGGAGAGC CTGA						
10	GGGGGAGGTT GGTG						
	TTNTCAAGCT GTAC			TTTGTGTTTT	TGAANATNNG	TGTCTNNTAC	
	TANTINTTT AAAT	λλλλλλ	N .				441
	SEQ ID NO:2303						
15	SEQUENCE LENGTH	- 336					
	SEQUENCE TYPE:n		acid				
	TOPOLOGY: linear						
	CLONE: HUMGS0266						
•	SEQUENCE DESCRI	_	•	-			
20	GATCATGGCA TCCA	AGACCA	GAGTCTCAGA	ACTCATTAAG	AAACAGTTTA	CTTGGAATGG	60
	AGAATACCCA TCTG	TAATAC	AGGTCCTGTC	ATTTCATTCA	TCTCAAATTA	TTTTGAATTC	120
	TTCCCAAATG GCTG	CTGGAT	TTAGGTGGTA	ATAGGGGCTG	TGGGCCATAA	ATCTGAAGCC	180
	TTGAGGAACC TTGG	GTCTGG	AGAGCCATGA	AGAGGGAAGG	AAAAGAGGGC	AAGTCCTGAA	240
25	CCTAACCAAT GACC	TGATGG	ATTGCTCGAC	CAAGNCACAG	AAGTGAAGTC	TGTGTCTGTG	300
	CACTTTCCAC AGAC	TGGNGT	TTTTGGTNCT	GAATAN			336
	SEQ ID NO:2304						
30	SEQUENCE LENGTH						
	SEQUENCE TYPE:n		acid				
	TOPOLOGY: linear						
	CLONE: HUMGS0266	_					
	SEQUENCE DESCRI					W. GGGGGGGW	
35	GATCAAGTNA CTTC						60
	AGTCTTTTNA GCAA						
	TACGTGCGCT CTGC						
	TTATAACCTG GCAA						
40	GGNAACCTAA CTGC						
	AAA	GIAAIN	GCCTTCAATT	MMMAGMIAA	1111000010	HUUUMHAAAT	363
	1001	•					000
	SEQ ID NO:2305						
45	SEQUENCE LENGTH	:232					
	SEQUENCE TYPE:n		acid				
	TOPOLOGY:linear						
	CLONE: HUNGS 0266	4					
50	SEQUENCE DESCRI						
JU	GATCAGAGTT CCTC	CTACTT	ACAACCCAGG	GTGTGAACAT	GTNCTCCATT	TTCAAGCTGG	60

	AAGAAGTGAG CAGTGTTGGA	GTGAGGGCTG	TAAGGCAGGC	CCATTCAGAG	CTATGGTGCT	120
	TGCTGGTGNC TGCCACCTTC	AAGTTCTGGA	CCTGGGCATG	ACATCCTTTN	TTTTAATGAT	180
	GCCATGGCAA CTTAGAGATT	GCATTTTTAT	TAAAGCATTT	CCTACCAGCA	AA	232
5	,					
	SEQ ID NO:2306					
	SEQUENCE LENGTH: 330					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS02665					
	SEQUENCE DESCRIPTION:					
	GATCTTAAGT ATAATTACAA	GGAAGAAGTG	AAGAAGAATA	TTCTCTTAGA	AGAGAAGGTA	60
	AAAAAACTTT CAGAACAATT					
15	TTTGAAGATG AAGAAGAAAG					
	TTTGTTTCAT TTAACTATTT					
	CTCCGAACTG TAGTATTTCC					
	TTAATAAATA GAATTATATG		011001001			330
	IIAAIAAAIA UAAIIAIAIU	ADDITION.				•••
20	SEQ ID NO:2307					
	SEQUENCE LENGTH: 328					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acia				
25	CLONE: HUMGS02666					
25	SEQUENCE DESCRIPTION:					
	GATCGACTTA CTCAACATGA	GACAATTCAT	ACTGGTGTGA	ACCACANAAA	TGCAAAGAAT	60
	GTGGTAAGGC CTTTAGTCAT					
	AGAGACTETT AATGTAATGA					
30	ACTATTATNA TGCTATAGTG					
	GGCATCTGGC ACATCGTATT					
	TACTAAAAAT AAATCTTATA					328
35	SEQ ID NO:2308					
	SEQUENCE LENGTH: 327					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	3000				
	CLONE: HUMGS02667					
40	SEQUENCE DESCRIPTION:					
	GATCTCAGGT ATCAGACCAC		ACCGCCAGNO	TGCAGGCTTT	CAGAGGCCCA	60
	CCTGGGCCCA GCGTGGCCTG					
	GTGGGGCCTC TGGTAACCCT	AGCAGATGGT	GGTGACCCCC	CTGAGATGAG	GAAGCTGGTG	180
45	ACCTNNGACT GAGCAGCAGC					
	TTCCCCTTGC GNCAGTCCCT					
	CTAGGGTCTG GAAACTACTT					327
	SEQ ID NO:2309					
50	SEQUENCE LENGTH: 326					

		SEQUENCE TYPE	nucleic	acid	•			
		TOPOLOGY: line	ar					
		CLONE: HUMGS026						
5		SEQUENCE DESCE	RIPTION:					
		GATCCAGTTG TTA		•				
		TCTATGTAGA TGA						
		GATTTGTAGA CTA					· · · · · · · · · · · · · · · · · · ·	
10		ACGACACGTT TTC						
		AATATAATTT AA1	TGCAGGTT	GTTTGAAGCA	TCTGTCTTCA	TATGATGGCA	TTAGAACACC	
		TTGGTATAAT AAA	AAAGTTAC	CGTAAA				326
		SEQ [D NO:2310	3					
15		SEQUENCE LENGT						
		SEQUENCE TYPE:		anid				
		TOPOLOGY: linea		aciu				
		CLONE: HUMGSO26						
		SEQUENCE DESCE				•		
20		GATCAAGAAG GAC		CCATTTCAAA	GAAAAAAAAT	GCTTTATAGA	GTTTTAAGTA	60
		TGACTTAGAT GGO		*				
		GCAGAACTAA ATO						
		ACTGCTCGGG TGA						
25		CCAAACACCA CC1						
		CCTAGGAATG GAG						322
		SEQ ID NO:231	1					
30		SEQUENCE LENGT	TH:321					
-		SEQUENCE TYPE	nucleic	acid				
		TOPOLOGY: line	ar					
		CLONE: HUMGS026	670					
		SEQUENCE DESCI						
35		GATCTAAATT ACC						
		ACATTGNTTC AC						
		CTTTATCTTG AA						
		ATGATGTATC AG						
40		GTTAAATTAA TA			GCACTNTNNA	TGATTTNTTA	TATAAANGTC	
		AACTGGTACA TT	TCATTCAG	N				321
		SEQ ID NO:231	2					
	•	SEQUENCE LENG						
45		SEQUENCE TYPE		acid				
		TOPOLOGY: line						
		CLONE: HUMGS02						
		SEQUENCE DESC	-					
		GATCGAAGGG TT		ATGTNTTTCA	AAACCATGCC	TGGTATTTTC	AACCATAAAA	60
50		CAACTTTCAC TT						

. 5	ATTTTTAAAA AATATGTCGT GTCTTCCCAA ACCCAGTCTC ATCTTGCTTT CTTTAGAATT TTAAATATTT GAAGGGAAA	CTCTCCATTT	TAGCCCAGTG	TTTTCTTTGA	GGACCCCTTA	240
10	SEQ ID NO:2313 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02673	acid				
15	SEQUENCE DESCRIPTION: GATCGACAAA ACTTTGAACG CTGATGAGAC AAGATGTGGT TGCATGTTTC CATGTCATAA CATTGAAGGG AGATTGGCAC GCGTGGCACT TACCNGNGGT	GATGACAGAN CTGTNTTCAT CTAGTGGCTG CCCTTGCTTC	TCAGCTTTTG ACGCTTCTGC GGAGCTTGCC	TAATTATGTA ACTCTGGGGA AGGAACCCAG	TAATAGCTCA AGAAGGAGTA TGGCCAGGGA	120 180 240 300
20	CTCTTAAATA AAATATAAAT	GANCAAA				327
25	SEQ ID NO:2314 SEQUENCE LENGTH:313 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02675	acid				
30	SEQUENCE DESCRIPTION: GATCAACCAC ATGCACATCC GCTATGATTT TNATATATAA TGTAAGATAT TATNTCTGAA GACCTGTGTT ATNTACANAA ACTAAAATAT CATAGTTCTG	ATATTATATA ACAATTTAGC GCTGCTTAAA	AATNANGTAT TATATCCACT AAAGCATTGA	AANACATTAA ATGATTATAA GTTAATTTTN	AAGTTAACTA ACTGTGTCTC TTAAATATCA	120 180 240 300
35	AAANCTGTAT AAN					313
	SEQ ID NO:2315 SEQUENCE LENGTH:365 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE:HUMGS02676 SEQUENCE DESCRIPTION: GATCGAGGAC ATAAGGAACT	AGTCACAGTG	TTGCTGCAAC	ATAGAGCTGA	CATTAACTGT	60
45	NAGGACAATG AAGGCCAAAC GTAGAGCTGC TGCTCCAGTC CCAGAGGAGG TGACAGGCTG AAGGCTTAAT CAAAAGACTG	AGCTCTACAT TGGTGCTGAC CAAAACAGTT	TATGCCTCTG CCCACTCTCC TCTTTGGTGC	CCTGTAAGTT GAGACCAGGA TGCAGCGGCA	TCTGGATATT TGGCTGCCTG CACAACTGGC	120 180 240
	AAGAAAACTA CAGAAATAAT					
50	AATTN					365

	SEQ ID NO:2316 SEQUENCE LENGTH:308					
5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02677	acid				
	SEQUENCE DESCRIPTION:					
	GATCCTGGAG CTGGCTGGCA					
10	CACCTGCAGC TCGCCATCCG	CAACGACGAG	GAGTTAAACA	AGCTGCTGGG	CAAAGTGACC	120
	ATCGCTTAGG GCGGCGTCCT					
	AGTCAGAAGA CGAAGAGCAA					
	TAAGGCCCTT TTNATGGTCG CGGTGACN	ICCCGCAATG	CTTTTGAATG	TGCTGGNTGT	CATGGAGGGC	
15	COUTONCH					308
	SEQ ID NO:2317					
	SEQUENCE LENGTH: 306					
	SEQUENCE TYPE: nucleic	anid				
	TOPOLOGY: linear	aciu .				
20	CLONE: HUMGS02678					
	SEQUENCE DESCRIPTION:					
	GATCTAGATA ACTCATGACA	TTTTATTTGA	CCAACATAGC	ACATGATGAG	ATATCAAGGT	£0
	AATTAAAATA GCATGCTTGA					
25	CCAATAAACT TTTCAAAATT					
	TGCTGCTTAT TGTTTTATTC					
	TTTCAAAAAT NGTTTATGGT					
	AAGAAA				11100011010111	306
30						000
30	SEQ ID NO:2318					
	SEQUENCE LENGTH: 305					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS02679					
	SEQUENCE DESCRIPTION:					
	GATCCCCTGG CTCCCCAGCA	CACATTCCTT	TGAAATAAGG	TTTCAATATA	CATCTACATA	60
	CTATATATAT ATTTGGCAAC					
40	ATATGTGATT CTGATAAAAT					
	AGAAAAATA GAGAATTCTA	CATACTAAAT	CTCTCTCCTT	TTTTAATTTT	AATATTTGTN	240
	ATCATTTATT TATTGGTGCT	ACTGTTTATC	CGTAATAATT	GTGGGGAAAA	GATATTAACA	300
	TCAAA					305
45	SEQ ID NO:2319					
	SEQUENCE LENGTH: 303					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
50	CLONE: HUMGS02680					•
	SEQUENCE DESCRIPTION.					

5	GATCGAAATC ACTATAATTT CTCCGAGGTG GAAGAGACTC GTTTTCCGAG GGGTCACTTC GGTGTCTATA TTCTTCTCTC GCAGTTTAAA TAACCGTTTC ATN	GTGCAATGGA CTTTGGCCTT AAAGAAACAC	GATTCTGGAA GAAAATAAAT CTCAACTGGA	GCCCTTTGTT GCGGAGACCC TAATTATGAC	GTGCGAGGGT TCGTGGGCCT TATCAAGGGA	120 180 240
10	SEQ ID NO:2320 SEQUENCE LENGTH:302 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGS02681 SEQUENCE DESCRIPTION: GATCCCTGCT GAATCCACAG CCTTTCCTGA GGCCAACTCA TTGTGGATGT GTCTGCACCT	GGAAATNAAA	GGACGATTCT	AATTTCCACT	GCGGTTACTT	120
20	GGCTGCCCTT TAACTTCTTC AATATACACG TGAAATTTGA AA					
25	SEQ ID NO:2321 SEQUENCE LENGTH;301 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02682	acid				
30	SEQUENCE DESCRIPTION: GATCCAATTA AAAAAAATTA CTACTTGAGT TAGCATAATA TGANCTAATC TGATGTNAAC	CAGAAGTCCC CAATGTATTN	CTCTACTTNA ATTTCTGTGG	ACTTTTACAA TTCTGTTTCC	AAAAGTAACC TTGTNCCAAT	120 180
35	TTGACAAAAC CCACTGTTCT GAGTGGTGCT GCTTTAATTC A					
40	SEQ ID NO:2322 SEQUENCE LENGTH:345 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02684	acid				
45	SEQUENCE DESCRIPTION: GATCAAGCGG AAAGAGTTTA TCAGTGTTGT ACATAGCATA TGAAATGTTA AATACAATTN GCTTTATTTT NATAAATNAT	AAAACTCTGC CTGAAAGTAA	AGAGAAGTAT TGTTTTTTN	TCCCAATAAG CTATCATCTG	GAAATAGCAT GTATACCATT	120 180
50	ATATGCTATT TAAATAATTT ATATAANGTT TGCACACTGA	ANCAGGAAAT	ACTGCCTGTA	GAGTTAGTAT		

	SEQ ID NO:232	:3					
	SEQUENCE LENG	TH: 299					•
	SEQUENCE TYPE	:nucleic	acid				
5	TOPOLOGY: line	ar					
	CLONE: HUNGS 02	685					
	SEQUENCE DESC	RIPTION:					
	GATCTTTTCT AA	TATGGTAT	TACAATGAAA	AGAATAAAGA	GAAGATTTGA	ATTTNCAGTT	60
10	TCATTTTCAA AA	ACTATTTA	CCAAAACAAA	TGGAGAAGAA	ACATCCAAAA	GCACATTTCA	120
10	TTTCTCCAAA CT						
	CCTCGTATTA TT						
	CGTAGACCTA GG						
15	SEQ ID NO:232	4					
	SEQUENCE LENG						
	SEQUENCE TYPE		acid				
	TOPOLOGY: line						
	CLONE: HUMGS02	-					
20	SEQUENCE DESC						
	GATCCCTCTG TA		ATGGAAGGGG	CCCTCCACAC	TTCCTGGGAG	GTCAGAGACA	60
	AACTGTTTCA GA						
	TGGATTTCCT CT						
25	ACTGGCCATT AC						
	CCATTGTTAC AG						297
	confidence no	unoni ini	Addernater	di/Mii/Mutii			
	SEQ ID NO:232	5					
	SEQUENCE LENG	-					
30	SEQUENCE TYPE		anid				
	TOPOLOGY: line		aciu				
	CLONE: HUMGS02						
	SEQUENCE DESC						
35	GATCAGCAGC CG		ACATCAACAA	TCAGCTTGAG	AATTTGGTTC	AAGAATATCG	60
	TGCAGCTCAA GC						
	GACGGAAAGA AC						
	AATGGAAGAA AA						
	CTTNNCANAA CT						297
40	CITIMICANAA CI	UNAUCAAU	AANCIGIAGN	UNIUUNCALI	AUANTIUGCA	HUIGH	231
	SEQ ID NO:232	16					
	SEQUENCE LENG						
			:-				
45	SEQUENCE TYPE		acid				
••	TOPOLOGY: line						
	CLONE: HUMGSO2						
	SEQUENCE DESC		C###N# 4 4 C C	*****	▲ ጥጥጥጥጥጥ	ተ ለ ለ ለ ሮሮሞምጥ ለ	60
	GATCCNACTT TA						
50	CTAATCTACC AN	AGCATTGT	AGATATTTT	ITTTAACATC	TATIGITTAA	AATAGATNAT	120

	TATAACGGGG CAGAGAACTT	TNTTTTCTCT	GCAAGAATGT	TACATATTGT	ATAGATAAAT	180
	NAGTGNCATT TCATACCATG	TATATATAGA	GATGTNCTAT	AAGTGTGAGA	AAGTATATNC	240
	TTTAATAGAT ACTGTAATTA	TAAGATATTT	TAAATTAAAT	${\tt ATTTTTTGT}$	AAATAAA	297
5						
	SEQ ID NO:2327					
	SEQUENCE LENGTH: 324					
	SEQUENCE TYPE: nucleic	acid				
10	TOPOLOGY: linear					
,0	CLONE: HUMGS02689					
	SEQUENCE DESCRIPTION:					
	GATCCTATGT CTGTCTGTCC	ACCACGAGAT	${\tt GGGAGGAGGA}$	GAAAAAGCGG	TACGATGCCT	60
	TCCTGACCTC ACCGGCCTCC	CCAAGGGTGC	CGGCACTCTG	${\tt GGTGGACTCA}$	CGGCTGCTGG	120
15	GCCCCACGTC AAAGGTCAAG	TAAGACGTAG	GTCAAGTCCT	ACGTCGGGGC	CCAGACATCC	180
	TGGGGTCCTG GTCTGTNAGA	CAGGCTGCCC	TAGAGCCCCA	CCCAGTCCGG	GGGGGNTGGN	240
	GAGCAGTTCC AAGACCACCN	CACCNCTTTT	TGTAAATNTT	GTTCATTNTA	ANTCAAATAC	300
	AGCGTNTTTT TCANTTCTGG	GAAA				324
20						
	SEQ ID NO:2328					
	SEQUENCE LENGTH: 291					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
25	CLONE: HUNGS02690					
	SEQUENCE DESCRIPTION:					
	GATCTGCAGG GGTCTGGGAG					
	ATCTAAGTTC ACAGTGTTTC					
30	TAGGCCTGGC TCATTCTGCA		-			
	AATCTTCTTT TTCAGGCTCG					
	CTAAAGTTGT AGTGAAGCTC	TCACCCATAA	TAAAGGTTGT	GAATGTTCAA	A	291
	SEQ ID NO:2329					
35	SEQUENCE LENGTH: 290					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS02691					
40	SEQUENCE DESCRIPTION:	mamaa.a.a.		A A A C C A T C C C	CACCACTACC	£0
	GATCTAGAAT CTCTTTATGT AATTGAGTGA TAAACAATTG					
	GATTATAACT TCAATGGGAC					
	TCACATAATG CCAAATACAC					
45	TANAAGATGC TGTGTAGCTA					290
45	INMANATUC TUTUTAUCIA	AITC LUANNI A	ALICALLIAC	TIMITALIA		230
	SEQ ID NO:2330					
	SEQUENCE LENGTH: 231					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					

	CLONE: HUMGS02692 SEQUENCE DESCRIPTION:					
	GATCACTCCG CCTTNTCCTG	GGCTCCCGTA	GCACACTATA	ACATCTGCTG	AAGTGTTGCT	60
5	GTTGCACCAT ACTTTCTTGT	ACATTTGTGT	CTCCCTTCCC	AACTAGACTG	TAAGTGCCTT	120
	GCGGTCAGGG ACTGAATCTT	GCCCGTTTAT	GTATGCTCCA	TGNNNGGNCC	ATCATCCTGC	180
	TTGGNGCAAG TAGGCAGGNG	CTCAATAAAT	GTTTGTTGCA	TGNNGGGNAA	A	231
10	SEQ ID NO:2331					
	SEQUENCE LENGTH: 285					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear	•				
	CLONE: HUMGS02693					
15	SEQUENCE DESCRIPTION:					
	GATCGCCTAC AAGCCAGCCC					
	CATCCCCAGT CTTGAGGCTC					
	GCAGGCCAAG CCCGCAGTGC					
20	CTCAGCACCC TCCGGAGGGG				CCCTGTNTGG	
	CGAGGTGCCG CTCTACTACA	TCTAGGACGN	CTCCGGGTCA	TGTGN		285
	SEQ ID NO:2332	•				
	SEQUENCE LENGTH: 285					
25	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02694					
	SEQUENCE DESCRIPTION:					
30	GATCTAGAGG TTCCANTGCT					
	TAACGGGCAA AAAAGCACTT		•			
	AAACAGAAAT GAACTGTTTT		*			
	CATTTCTTTT CTCAGAATGG				GATGTAGCTA	
35	NGAAATTACA TGTATGCATA	TGTNTAATAT	GTATATGTNT	ATGTN		285
33	000 to 40 0000					
	SEQ ID NO:2333					
	SEQUENCE LENGTH: 283					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE: HUMGS02695					
	SEQUENCE DESCRIPTION:					
	GATCTTAAAG CTTTGAGCAC	CTCCCATTT	CCCTTCCATC	GTTTCCCTCG	TCATGCATTT	60
	CCACATATCC ACAAACACAG					
45	AAGCAGTCAT TCTTGACGGC					
	ATAAACCCAG TGAACTCCTG					
	TTAAAAGTAA AACCTTTCTC					283
50	SEQ ID NO:2334					
	SEQUENCE LENGTH 283					

,	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
_	CLONE: HUMGS02696					
5	SEQUENCE DESCRIPTION:					
	GATCTATTAA AAAGGTTAAG					
	TTCCCCAGGA GGAAAACAAG					
	AAGAAGGGTA ATTCATGTNT					
10	CTTCTNTACT GGCAAATGGT				ATTTGACAAT	
	TTATTAATGA TAAAATAACA	ATAMATETET	AGCTITIACA	AAA		283
	SEQ ID NO:2335					
	SEQUENCE LENGTH: 283					
15	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	4014				
	CLONE: HUMGS02697					
	SEQUENCE DESCRIPTION:					
20	GATCACAAAA AAATCAGTCT	TTAAGCATTT	GCTTGGTAAG	GTTTCTTAAN	ATNAGGTTTA	60
20	TAATACAACC ATCTGTAATG	TATCTNTCGN	TTGANCTTGT	GGGCCATACA	ATTCATTAAC	120
	TAGATGNATA CATTGTGGAC	AGCATCCTCA	CTACCCCTCT	CTACTCACTC	ACAAAGAACC	180
	ATGATACACT GGAATGTTTT	TNTNTGGAAT	CCTCTTTCTA	CTCTTGTATT	AAAATTTTNC	240
	CCCACTTCAT GATTATATNC	AAAATAAACA	ACTACATCAT	AAA		283
25						
	SEQ ID NO:2336					
	SEQUENCE LENGTH: 282					
	SEQUENCE TYPE: nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUMGS02698					
	SEQUENCE DESCRIPTION:					
	GATCAGCTTG CAGAGTCTTG					60
35	TAAATCCAGC AAAAAACAGC					
33	ATATTCAGAA GAAAACTTTG CAAAATTGGT CAAAATGTAA					
	CTGATTTCTT TGTATTCTGT				CITIAIGIG	282
	CIUATITUTE IGIATICIGE	ICICIGCALL	CATCATICAG	UN		202
	SEQ ID NO:2337					
40	SEQUENCE LENGTH: 284					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02699					
45	SEQUENCE DESCRIPTION:					
	GATCTGTACC ACACCTTCCG					
	GCCTTTGTTA TGGAGACCTT					
	GCCCGAGCAG TGGTAACGGG					
50	GTCAATGTGC ACTCCTAGGC				CCCTGNCTCG	
	NTCCAGGTTT TTAGTGAAGT	AAACAGGTAT	TTTGGAAAGT	TAAA		284

5	SEQ ID NO:2338 SEQUENCE LENGTH:280 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02700 SEQUENCE DESCRIPTION: GATCAACGAC AGCCTCCAGT NCTATGGCTG CAAGCCNTTC CAGGATAACA GATTAAAATT TNTGCATAAA GAGACCACTT TCTTGGGAAT CTGATNAACT	TTCCACTTNG AAGTGAAGCT CCAGAAGTGT GAGGCCCTGT	GGGCACTTAC GCACCTGTNG AAGCAAAGAC	CCCCTTNATT TNTATTCAGG	CCATTCTCCT AGATTNTCGT	120 180
15	SEQ ID NO:2339 SEQUENCE LENGTH:285					200
20	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02701 SEQUENCE DESCRIPTION: GATCTGGAGC AGGAAGGCCT		AGGGGCTGCT	GGCCGGCGAG	TGGGCCCCAC	60
25	CCCTCTGGGA GCTGGGCAGC CGTAANTTCA TAGCTTCTNC CTGAGTGGTG GTAAAGTGGA GNTTGGNTTT NNCCTTNAAT	TGGCCTGGGG GCAATCCCTT	TGGACCCAGG NACGCTCCTT	ACCCCTGGGG GNCCATGTTC	CCTGGGTGCC	180
30	SEQ ID NO:2340 SEQUENCE LENGTH:320 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUMGS02702 SEQUENCE DESCRIPTION: GATCGTAAAC TTGTTGATAA CAGGCTACTG GCTGGAGGAA TCAGAGGAGG CTGAAGGCCG	AGGGACAGGC GATGAGGGGC	CTGGNATATG CCCAGTGTTG	GCCATCCTGG GAGCCTCAGG	ATTGGCTTCA AAGAACCAGC	120 180
40	AAAAGAACTCG ATTAAGNAAG TTGTCTCTCC TTTTCTTTN					
45	SEQ ID NO:2341 SEQUENCE LENGTH:519 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02703 SEQUENCE DESCRIPTION:	acid				
50	GATCTGAAAG GAGCAAGGAA	CAGCAAGGAA	TTATTTTCCA	GAATGACACC	CGCAGCAGAA	60

	TGTTGGAGTG GAAATGATGG	CTGGCTATGA	AGAGGAGGTC	AACGTGTGTG	GTCTCCTCAG	120
	TCTCTGTCAG AGGGGTGGGG	AGGTGGGAAA	CAGGAATCCT	CTGCAAAGCC	CAATCTGCAG	180
	AGTCGAGACC CCTGGTGCTC	TCTGCCCCGC	TGCCTGGCAC	TGGTCCTTTG	CAGCCAGCCA	240
5	CCAACGCCC CCTTGCCCTT	NCAGAGGCAG	AAGCCTNCGT	CTNAACCTGC	ACCTCTGACC	300
	GTTTNAGCAC CNTTGGGTTN	TTACCANGTC	CTANAACTCT	GANATTTNTT	NGTTCTAAAA	360
	GGGGTTTCTA TTTCAACTTG	NTGAGTTTGT	NTTTTGGGNC	CTTCCAATTT	GGGNTACCTT	420
	GNTATNTTTN ATGGTTTTAT	AAATCCTTNA	CTCTTGGNAN	GTTTTAATTN	TTTACAAAAT	480
10	CAGGGATAAC TTTNGTTTNA	ANACTGGTTT	GAAGGAATN			519
10						
	SEQ ID NO:2342					
	SEQUENCE LENGTH: 272					
	SEQUENCE TYPE: nucleic	acid				
15	TOPOLOGY:linear					
	CLONE: HUMGS02704					
	SEQUENCE DESCRIPTION:					
	GATCCCAACT AATTTTACCG	AACCTAAAAC	CCACAAAGAG	${\tt GTTGTTTGTG}$	TTATTGTTCA	60
20	ATCTTCAGTT GTAAGAGTAA	TTCTCTATTT	TNATATTGAA	ACATAATTAC	TTGATAGCTC	120
20	AGGGTCTACA TTTCATTCAA	CTTTTTACAC	CAAATTCTGC	${\bf AGAGTGGTCA}$	AAATGGAATA	180
	TTGGGGGCTG TTGTAAACAG	AGGCTTAATT	TTATTAGAAG	TAGCCAGTTA	TTTATTAAAG	240
	CATGATGTTA ATAAAATAGG	CATATTCTGA	AA			272
25	SEQ ID NO:2343					
	SEQUENCE LENGTH: 272					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
30	CLONE: HUMGS02705					
	SEQUENCE DESCRIPTION:					
	GATCTGACAT GATTCCTTCC					
	GGTTTNAGTA GAGGCTTAGA					
	AGTCANNATC ATTAGGGGGA					
35	GATTGGGTGG GCAGGAAAAG			TAACTAGATG	GTGCTGAGAA	
	GCTTTTGAAT AAAAACTTTG	CTAAATGAGA	AA			272
	SEQ ID NO:2344					
	SEQUENCE LENGTH: 273					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acru				
	CLONE: HUMGS02706					
	SEQUENCE DESCRIPTION:					
45	GATCTTTCCC AGGCCGCACC	ATTTCTNTCA	CTCACATGGA	CCCAAGATAN	AAGAATGGCC	60
	AAACCCTCAC AACCCCTGAT					
	TGATGGTGCC AGAGAGGGGC					
	GAGTTCTGTA CTTCAACCAG					
	ATTTAATGAT TAAAGACTGT					273

	SEQ ID NO:2345						
	SEQUENCE LENGTH: 27	77					
	SEQUENCE TYPE: nucl	eic	acid				
5	TOPOLOGY: linear						
	CLONE: HUMGS02707						
	SEQUENCE DESCRIPTI	ON:					
	GATCCATGAA GCTGCCC	TGC	CCACGCCTCC	CCTCCCTGTA	GCAACACCTC	TGGGTGTTTG	60
	GAGTTTAGCT TTTGTGG						120
10	CAGGGTGGGG AGNNGTG	GGG	TTGGTTCGGG	TGGGTGAGGG	TCTTTTTCCT	CTGTGTGCGA	180
	TGTTGTTATC TGACAGN						
	GGTACAAGCA ATAAAGA						277
15	SEQ ID NO:2346						
	SEQUENCE LENGTH: 43	1					
	SEQUENCE TYPE: nucl	eic a	acid				
	TOPOLOGY: linear						
	CLONE: HUMGS02708						
20	SEQUENCE DESCRIPTI	ON:					
	GATCTTNCTA GGAGGGA	GAC	ACTGGCCCCT	CAAATCGTCC	AGCGACCTTC	CTCATCCACC	60
	CCATCCNTCC CCANTTC	ATT	GCACTTTNAT	TAGCAGCGGA	ACAAGGAGTC	AGACATTTNA	120
	AGATGGTGGC AGTAGAG	GCT	ATGGACAGGG	CATGCCACGT	GGGCTCATAT	GGGGCTGGGA	180
25	GTAGTTGTTT TTCCTGG	CAC '	TAACGTTGAG	CCCCTGGAGG	CACTGAAGTG	CTTAGTGTAC	240
	TTGGAGTATT GGGGTCT	GAC (CCCAAACACC	TTCCAGCTCC	TGTAACATAC	TGGCCTGGAC	300
	TGTTTTNTCT CGGCTCC	CCA '	TGTNGTCCTG	GTNNCGGTTT	TNTCCACCTA	NGACTGTAAA	360
	CCTCTTCGAG GGCAAGG	GAC (CACACCCTGT	AACTGTTCTG	TGNCTTTTAA	CAGGTTCCTN	420
20	CCATTAATGC N						431
30				•			
	SEQ ID NO:2347						
	SEQUENCE LENGTH: 26	8					
	SEQUENCE TYPE: nucl	eic a	acid				
35	TOPOLOGY:linear						
	CLONE: HUMGS02709						
	SEQUENCE DESCRIPTI	ON:				-	
	GATCTTTTGT GTCTGGT						60
40	AGACCACAGT CACACAC						
**	ACTGTTTCCC TCTATCA			1 1 7 7 1			
	ACTGGTGCTT TGGATTC			TTCAAATCCA	CTGAGNATTA	AATAAACATC	
	GNTAAAAGAA TGACCTT	ccc .	AAGGNAAA				268
	000 to No 0010						
45	SEQ ID NO:2348						
	SEQUENCE LENGTH: 26	-					
	SEQUENCE TYPE: nucl	eic	acid				
	TOPOLOGY: linear						
50	CLONE: HUMGS02710						
	SEQUENCE DESCRIPTI	ON:					

	GATCAGAAAC CAGTCTCCTT	CCCCGTAGTC	TGGACTGGGT	ATCCCCTCTT	AAATNTTTCC	60
	AAAGCAACAC AAATTTAATT	CCGTCACAGA	ACTTGCCACT	CTGTGCTGTG	TCCTCTGTTT	120
_	CCTTGCCATC TTCCTCAATN	AGCTGGAAGC	CCATTGGCAG	CAGGGACTGT	TTCTTGTTCA	180
5	CAGCTGCACC TCAGTGCTAA	GCATAGTGCC	TGGTAGGTAA	TAGACTCCTT	AAGTATTTGT	240
	TGAATTAATA AAGGATGNNT	TTTTTAAA				268
						•
	SEQ ID NO:2349					
10	SEQUENCE LENGTH: 268					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02711					
15	SEQUENCE DESCRIPTION:		T0.46.1660.			
	GATCAGAAGC CATTTNATTT					60
	CTGGAAGAGG TCAGAAGATA					
	ACTAATCTTG GACTTTTCCA					
	AAGTTCAACC ATATTCTGTC		IIICAGIGGA	AICHGIAH	ICIGGIICAI	
20	TATAACAAAC TGTTCGCTTA	AAICCAAA				268
	SEQ ID NO:2350					
	SEQUENCE LENGTH: 398					
	SEQUENCE TYPE: nucleic	acid				
25	TOPOLOGY: linear	doru				
	CLONE: HUMGS02712				•	
	SEQUENCE DESCRIPTION:					
	GATCCGAGAA CGCTCTAAGC	CTGTCCACGA	GCTCAATAGG	GAAGCCTGTA	ATGACTACAG	60
30	ACTTTGCGAA CGCTACGCCA		-			
	GAAGCGCCGA GGGGCCAAAT					
	CTGGCACCTG ATTTTGTATC	CCCCTGTAGC	AGCATTACTG	AAATACATAG	GCTTATATAC	240
	AATGCTTCTT TCCTGTATAT	TCTCTTGTCT	GGCTGCACCC	CTTTTTCCNG	NCCCCAGATT	300
0	GNTAAGTAAT NGAAAGTGCA	CTGCAGTGAG	GGTCAAAGGN	GAGGCAACAT	ATTNTNNTTT	360
35	TCCATAATAA AACTTTCTTG	GGGGNNATAC	TTTTCAAA			398
	SEQ ID NO:2351					
	SEQUENCE LENGTH: 381	. (3)				
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02713					
	SEQUENCE DESCRIPTION:					
45	GATCTGCAAG CATTTGCTCT					60
70	CAAATGGCAA ATCATCAACT	AAANGCACTT	GTTTCAAGTT	TTGTTCTGCA	CTCCCACGAC	120
	TGAAGTTGTA GATTGAGCTG					
	AGTCAGTTGA ATATTTGTAC					
	GAATTTCCTC TAGCAAATAC					
50	GAGATGGCCA GAGGATAACA		AAAAACTAAG	CTAAAAAGGA	CCTAGGAACC	
	TTCAATTTGA GCAGTTGGTT	N				381

	SEQ ID NO:2352 SEQUENCE LENGTH:265 SEQUENCE TYPE:nucleic	naid				
5	TOPOLOGY:linear CLONE:HUMGS02714 SEQUENCE DESCRIPTION:					
10	GATCTGCCCG CCTTGGCCTC TTGAATTTTC TTATAATCCC TCTATCACCT TTGTATTCAC TGATTTACTC TGCTGTATAA GTGTTTCCTC TTATAATCCC	ATGAAACCAT CTGGAGCCTT TACTTTCCAT	CATCAGAGTC TATAAAGTTT	ACAATAATNA TTNTCTATGC	ATTTATCTAA AGACAACCAT	120 180
15	SEQ ID NO:2353 SEQUENCE LENGTH:265 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGS02715 SEQUENCE DESCRIPTION: GATCGGGGGC TTGAACCCAG GCCCCTCTCT AGTCATGGTC					
25	ATGGCAGCCT TCCTTATTTG CCAATATGTG TATATTTATT AAAGCTTAAA TTATTCCATT	TATAAATATA				
30	SEQ ID NO:2354 SEQUENCE LENGTH:379 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02716	acid				
35	SEQUENCE DESCRIPTION: GATCGGCGGA CGCCCATCAC TGGTTCCTTG GCTGGGATGA GAGCTGGCTG CCTGAGGAGG CTGTCCTTCC CTCAAAGAGG	TGATTACTGG GGCAGGGCCC	TCTGTGGACC ACCCATGTCA	CCTTGGACAG CCGGTCAGTG	GGCCATGGCT CCTTTTGGAA	180
40	TGTGTGTGTG TTGTTTCTTT TCAGGGNCCT TGAAAAATTN ACNTTTTGAG GGGTGNAAA	TTTTTTTTT	NNNAGTNTCC	AAAANAGCC	CTNAAAAAAT	300
45	SEQ ID NO:2355 SEQUENCE LENGTH:261 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2717	acid				
50	SEQUENCE DESCRIPTION:					٠

	GATCACAAAA CAATTCTAAA ACCTAACTGT TTTTACCATT GAAATTTAAA TTGTGATAAT	60
	AGGTTTTAAA TGTCTAGAAT GCAACTGATA GGCTTTTCTT GAACTGTTAG TTTTTTTGAA 13	20
	GTAGTTTTTT CATGTTTANN NNGTATTTGT AAAAAAACAA AAAGCAAAAA AATTCCCAAA 18	80
5	ACCCAGATAA CAACCAGAGC AAAACTGTTG TGCCTTCTAT TTATCTTTGA TTTCAGTCTT 2	40
	GGCAATTGTT TAAAAAAAAA N 20	61
	SEQ ID NO:2356	
••	SEQUENCE LENGTH: 259	
10	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS02718	
	SEQUENCE DESCRIPTION:	
15	difforming diamonthing controlled to the control	60
	TTGGCTCGGG AGAGTGGGGC TGCTTGTAGA ACTGGAAGTG AATAACTTTT TCAAGCAATA 1	
	TCAGTGAGTG GGTCCCATCG ACAGGGTTCC AGGACCTGGA ACACTTTAAC AGAAGGAAAT 1	
	GCCGAAGCAG CTTGCACAGT NGCTTGACAG ACTTCCAAGN NGGCTGATTC TGGCTTCAAG 2	
	ATGGAGCCTT GGAGTTGGN 2	59
20		
	SEQ ID NO:2357	
	SEQUENCE LENGTH: 296	
	SEQUENCE TYPE: nucleic acid	
25	TOPOLOGY: linear	
	CLONE: HUMGS02719	
	SEQUENCE DESCRIPTION:	~~
	datelddaa tacaccado accactor croumoum dataccado currente	60
30	CNNNNTTAGT GAACTGCTGC TGCTGTTCAG ACTTTTTTAA AAAAAACTAT TTGGACTAAA 1	
30	GAAACAGATT CTGAAATTTA TTGTGATAAT TTGTATTTCT TTTTTCTTGC AATTTAATGC 1	
	CAAAAGTTTG CCATGTGCCT TAAACATATT ACTATATATT TNCCCCTTTA ATAAACACTT 2	
	TTNGTTAAAT TGTATTCTTC CTTTAATAAA ATATTTTAAG CAATTGTGGA AATAAA 2	296
35	SEQ ID NO:2358	
	SEQUENCE LENGTH: 254	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
40	CLONE: HUMGS02721	
40	SEQUENCE DESCRIPTION:	60
	GATCAGAATA CATGATGGAT GAAATTCTTT ACATGTTTTA GCAGAATNAA TTTGTTTAAT	
	ATAATAAAGT TTGCTACTTA TCTGTATGTA GGTTGCTAAA AANGATTTTC TTAACTCAGA 1	
	TTTTAAGCCA AATAACCATT TAACACTAGT ATTTGTTAAA TGGGTTATTT TNCTGTATTT 1	
45	GTATGTTTCA CTATAATAAG GGAATTAAGG ATAATGTGCA TTGAGAATAT TTTGAAAANT	
	AATTGACTCA AATN	254
	SEQ ID NO:2359	
50	SEQUENCE LENGTH: 253	•
-	SECUENCE TYPE TO COLO SOLO	

	TOPOLOGY:linear CLONE:HUMGS02722	
	SEQUENCE DESCRIPTION:	
5	GATCAGTTAT AAGTAGCAGG CCAAGTCAGG CCCTTATTTT CAAGAAACTG AGGAATTTTC 60	
J	TTTGTGTAGC TTTGCTCTTT GGTAGAAAAG GCTAGGTACA CAGCTCTAGA CACTGCCACA 120	
	CAGGGTCTGC AAGGTCTTTG GTTCAGCTAA GCTAGGAATG AAATCCTGCT TCAGTGTATG 180	
	GNAATAAATG TATCATAGNA ATGTAACTTT TTGTAAGNCA AAGGTTTTCC TCTTCTATTT 240	
	TGTAAACTCA AAN 253	
10		
	SEQ ID NO:2360	
	SEQUENCE LENGTH: 253	
	SEQUENCE TYPE: nucleic acid	
15	TOPOLOGY: linear	
	CLONE: HUMGS02723	
	SEQUENCE DESCRIPTION:	
	GATCAATCCC AAGAATCCAT CAGCAACCTC AGACCAACCC AAGAAGATAA TTTAAATCTA 60	
00	TACTGCTTAT TGGTCAATAT ATTTGGTTCT AGTATTAATA AAGAAAAATG TTATTAAAAT 120	
20	AGCATACATA GTAGTAAAAT AAANTACANA AAGTGTGTTG ATTTATAGCT GTTTGAGATG 180	
	ATAAAAGTGN AGCAAAGCCT GTTAAATCAT TGGAAGACTT GGANANTTAT TTTAAATAAN 240	
	CAATTACATG TAN 253	
25	SEQ ID NO:2361	
	SEQUENCE LENGTH: 252	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
30	CLONE: HUMGS02724	
00	SEQUENCE DESCRIPTION:	
	GATCTGCATA AACAGGGTTC CTGACCTCAC CGAAAAGACT AATGTGCCTT AGAACAAGCA 60	
	TTTGCTGTGT TTTGTTAGCA CCTGGTTCCA GGACAGACCC TCAGCTTCCC AAGAGGATAC 120	
	TGCTGCCAAG AAGTTGCTCT GAAGTCAGTT TCTATCGTTC TGCTCTTTGA TTCAAAGCAC 180	
35	TGTTTCTNTC ACTGGGCCTC CAACCATGTT CCCTTCTTCT TAGCACCACA AATAATCAAA 240	
	ACCCNACATA AA 252	
	SEQ ID NO:2362	
	SEQUENCE LENGTH: 251	
40	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS02725	
	SEQUENCE DESCRIPTION:	
4.5	GATCTTCTCA GCCAGGAGAA GAGGGTGGTG TTTTCACGCG GGCAACTGCT CGCCGGCCTA 60	
45	CATGGGGTTA ATTCAAGTCT GCTGCGAGCA CGACTCCGCC CTTGGCACTG GCCTCCAGCA 120	
	AGCCCTGTTC TCTTTGGGGT ACAGGGGAAC GGGATGGTTT AGACTTTCCT GCTCAGTGTG 180	
	TAAAAAATGT AGCTAAAGCC ACTATTTTTG CTCTCCTTAA GCTGTTCAAT AAACCGGTTC 240	
	CTCATTTAL A 251	

5	SEQ ID NO:2363 SEQUENCE LENGTH:308 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02727 SEQUENCE DESCRIPTION:	acid				
10	GATCTGGAAC ACTCCCCTGA TATTCCTCAT CCCCTTCCTT GGTGTGGCTA TTAACATGGT TTCTACAACA CCTCCATTGA GTNCTGCCAC CNAGCCNCAG	GTTTTCCAGA GACAGAAGAA GGAAATGCCC	ATCGGTCGAG GACAAGAGGA CTCAATGTTG	GTGGACGGTT CTCTTCGAGA CTGACCTCAT	TGGCCGTAAA CATTGAGACC CTGAGGGGCT	120 180 240
	GGGGTGGN	nondudo ton	ATCICIOUUU	ductuadda	UCAUCAUUUA	308
15	SEQ ID NO:2364 SEQUENCE LENGTH:245 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGS02728 SEQUENCE DESCRIPTION: GATCGTAGAT TTTTAACAAT					60
25	AGCAGGGCTT GCTCCTGCCA GTACTTGTGG TTCTCTTTT AATGGGCCGT CCCCTCTCCC GCAAA	GTATTTTGCA	TCTNACCCCG	GGGGGCTGGG	ACAGATTGGC	180
30	SEQ ID NO:2365 SEQUENCE LENGTH:249 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUMGS02729 SEQUENCE DESCRIPTION: GATCTAACCA ACTCAACTGA TGTTTAGCAG GTTTTTTTGT ATGTTAAAAC CCTAAAAGTA GCTAACCCTT TGAAGAAATG	TGTTATTTTT ACTATTGANT	TTGGTAAACT ATNCTGTAAT	CTGTGGTAAA CTTAGACATG	ATCTAAAATA TATTTTTCAA	120 180
40	AAATTTAAA	14110/01041	NOOMDOTKI	MMITTI	OULIAILIUI	249
45	SEQ ID NO:2366 SEQUENCE LENGTH:240 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02730 SEQUENCE DESCRIPTION:	acid				
50	GATCATGCAT TGTTGAGGTG TTTATTGTGT TTTTAATTTA					

ATTITITCT ACCITGAGGI CITTIGACAI GIGGAAAGIG AATIIGAAIG AAAAAIITAA 180

	GCATTGTTTG CTTATTGTTC	CAAGACATTG	TCAATAAAAG	CATTTAAGTT	GAATGCGAAA	240
	SEQ ID NO:2367					
5	SEQUENCE LENGTH: 251					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02731					
10	SEQUENCE DESCRIPTION:					
	GATCTATACT GTGTGGTCAT	GAGTTGTGTA	TAGTTCCATA	ACACTGTATT	TTNCTNCTGT	60
	CAGTACCCTT AGGATACACT	NTAAAACACC	TTAAGGTCTG	ATGTTATGGC	AACAAACTAC	120
	TTNTTCAAAC CTAAATAGGA	ACCATGTAAT	TNCTCAAAAG	TGATTGAACA	GTTTGCCCAC	180
15	ACTTAGTTTG TTGGTCTTAT	GTAAAACATT	GGCTCAAAAT	AAAGNNCACA	CTGATTTATT	240
	TNACTGNNAA A					251
	SEQ ID NO:2368					
	SEQUENCE LENGTH: 239					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02732					
	SEQUENCE DESCRIPTION:					
25	GATCTGAAAA TTTATTTCAC	CCAGCTTTCA	CAATTAAGTC	TGTATAAAAT	GTGGTACCTT	60
	TTNGTACCTA TCCAGAGAAA	CCTGTACATA	TTCAATGTTA	TCTAGATGTG	ATTGGATAAT	120
	GGAGAAAATN TATTTATAAT	GATTTTNCAA	TGGCATCAAT	AACATTTAAA	TGATTTTGAA	180
	GAAGTATTAT TTTACTACCC	TATAAAATGA	ATCGAAAATA	ATAAAGTTCT	TAACATAAA	239
30	SEQ ID NO:2369					
	SEQUENCE LENGTH: 239			,		
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS02733					
33	SEQUENCE DESCRIPTION:					
	GATCAAATTA TCTTCAGCAT	GTATATCTGG	GGAAAAAAGG	TCCGAATTTT	CACATTTATA	60
	TTTAAANTTC AATTTTTTAT	ATTTAAANTT	CAATTTTTTA	GCAACAGCTG	AATAGCTTTG	120
	CGGAGGAGTT TAATAGTTAC					
40	TTCTTAAAAA GATTGAATCA	GTANATTTCA	TTTCAGCTAA	AAATGGAGTC	TAATATATN	239
	SEQ ID NO:2370					
	SEQUENCE LENGTH: 237					
45	SEQUENCE TYPE:nucleic	acid				
••	TOPOLOGY:linear					
	CLONE: HUMGS02734					
	SEQUENCE DESCRIPTION:					
	GATCCACCCG CCTTGGCCTC					
50	GCCAGTGTTC TCTCTTAAAT	GTGTTTCAAT	ATGGTGGACA	TTTATTGAGC	ACTTGTGTTG	120

	GGCGTTTCAA CAGGAGGCAC CACTTTGCTT AACTTGTATA					180 237
5	SEQ ID NO:2371 SEQUENCE LENGTH:236 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2735	acid				
10	SEQUENCE DESCRIPTION: GATCAAAAGA GCAAACAATA TGATAAANCC ATAACAATCT TGGCGTGGTA AGTNCCCAGT ACTGGGAGAG TACGGTTTCC	CCTCTGCTCT GCCCCTTTGG	GCAGGCAGGA TGGATTCAAG	ACANTNTGGG ATGTCTGGAA	NGAATTGCTA ATGGNAGAGA	120
15	ACTUUUNUNU TACUUTTICC	ATUANTATAC	Aditotean	nonutchonu	IUMAN	230
20	SEQ ID NO:2372 SEQUENCE LENGTH:236 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02736 SEQUENCE DESCRIPTION:	acid .				
25	GATCCNATTC CCGTTGCCTC AAGGCGCCAT TGGCTTCCTG CTTCTGGCCT GAGCCAATGG TTAAACCCAT TTTCTCCCAT	GGACTCTGAG GGCATGTTCT	TCTGCCGGCC GTGACTGCAT	TCTTTTCCTG TTGCATCTCG	ACTCCAGTTT GATTGTGTTT	
30	SEQ ID NO:2373 SEQUENCE LENGTH:245 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUMGS02737 SEQUENCE DESCRIPTION: GATCAGGCTG GTACAGGATG AGCACAGGGA AGAGAGAAGC ANTGTTTCA AGAAGCTCTT ATGGCGGCTG GCCTGCTCAG	AGGACAAAGT GTATTTNTNT	AGCAGATAAA GCACAGTGTA	ATGCCGGCAA AATATCCTTG	AGCACAGATG CTATTTCAGG	120 180
40	CTAAA					245
45	SEQ ID NO:2374 SEQUENCE LENGTH:231 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2738 SEQUENCE DESCRIPTION:					
50	GATCTGACTG CCTCCTTTCT GCTGGTTTGG AGTAGAATGG					

	TGGTTTTAAA GCCAGAATTA					180
	CCAAAATGTA CTGTTAATGG	GTTTTTTTT	AAAATTAAAN	GATTAAATAA	A	231
5	SEQ ID NO:2375					
	SEQUENCE LENGTH: 236					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
10	CLONE: HUMGS02739					
.0	SEQUENCE DESCRIPTION:					
	GATCCACTGT GAGCACCAAC					60
	GTCACCGNCT GCCTGGCTCC					
	CTTNGGAGCN NNTGGGTCTG CTCCTGGCTA CAGCAGGGNT					
15	CICCIONCIA CAUCAUGUNI	CCAUUUACIN	CAAATAAATG	TICAGIGACI	GUCAAA	236
	SEQ ID NO:2376	•				
	SEQUENCE LENGTH: 235					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS02740					
	SEQUENCE DESCRIPTION:					
	GATCGGTCAC ACAAGCTGTT					
25	GGACCACTGG CCCCACTTCC GGTGAGGGGG TCTTGNCCGT					
	ATTTCATGGG GACANCCCAG					235
		101101101101	110/2/01/20	urdduniiii	COZETA	
	SEQ ID NO:2377					
30	SEQUENCE LENGTH: 253					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02741					
35	SEQUENCE DESCRIPTION: GATCGNAGGC TACCCTGGCT	CACTNACCAC	CTCCTCACTC	ተርተ ርር ተ ተርተር	TCCTCTC1CC	60
	AGCTGCAGTT GTTGCTGTTG					
	CTGGCAGTNA TTTTCCAACT					
	ATTTAATGGT AATTGCCTGT					
40	CTTTNTNTAT NTN					253
	SEQ ID NO:2378					
	SEQUENCE LENGTH: 232	. ,				
45	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
,	CLONE: HUMGS02742					
	SEQUENCE DESCRIPTION:					
	GATCTGGGGT CCCAGTGTCA	TTGGTGAAGG	CCTTGGGATT	CGAGGCAGCT	GAGTCCTCAC	60
50	TGACCAAGGA TGCCCTTGTG					

	CCCAGTGAAG ACTTGGATGG TGTGAGCTCT ATAGACCATC					180 232
	SEQ ID NO:2379 SEQUENCE LENGTH:232 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02743	acid				
15	SEQUENCE DESCRIPTION: GATCTCTGAA AAGNAGGTTT GAAATGTAAC AGAGCCACAG CCAGCAAGGG GAAAAGTATA CTCAGGCAGG CAGATGTGTC	CTCCACAGGC ATCTGGGGGA	CTGCACTCGG CCTTCAACCA	AGTCTGGGGC CTAAGCCTCT	CTCTGCAGAG TGTCAGAGCC	120
75						
20	SEQ ID NO:2380 SEQUENCE LENGTH:232 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02744 SEQUENCE DESCRIPTION:	acid .				
25	GATCTNAGCT GGACAGAGGA ACAGTTGATG TCTAGATAGG GTTGGCCATG TGGCATCATT AAACCATGCT GTTTTTTTCC	ACCTCAATNA GAGCAGCAGG	TTCCNTTAGA AGGCTGAAGG	ATCTNAGATA AGGNGAGAAC	CCAGGATATT AAAATTGTCC	
30	SEQ ID NO:2381 SEQUENCE LENGTH:236 SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear CLONE:HUMGS02745 SEQUENCE DESCRIPTION: GATCTANGGA ACCAAACGGA					
	GGAATACAGA ATACTCAAAT ATGTTACAAC AGAGATTTCT	TGGTGGTAGC	TATTTNGGTA	AAGGGTATAT	GGNTATTTTT	
40	CTGTACATGT GAAATTATAT	AGANNTAAAA	GTTATATANA	TTACATTGGC	CAGAAA	236
	SEQ ID NO:2382 SEQUENCE LENGTH:229 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGSO2746 SEQUENCE DESCRIPTION:		CC1C1100:0	4.0000474.00	TOTAL CORRECT	
	GATCAAGTTT AAGTCAGTCA TACCAGACAG TGTTCTCAAC					
	GAAATTCTTG GAAACTTCCA					

	TGTACATTAG TGCATTAAAA	GATGAATTAT	TGAGTNCTTA	AAGATTAAA		229
5	SEQ ID NO:2383 SEQUENCE LENGTH:227 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02747	acid				
10	SEQUENCE DESCRIPTION: GATCTGATTT CAGATTTTC TATATTTTTG GTTCCATTNA TTAANTCAAT TAGAAAAGCA AGCTTGGGTA TTCAAATGTC	TGATTGTTTT ACATAAAATT	AAGCATTTGA AANTGATATT	CGNATAAGGA TAGGAAATCA	AAACTAACAA	
15	SEQ ID NO:2384 SEQUENCE LENGTH:223 SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear CLONE:HUMGS02749 SEQUENCE DESCRIPTION: GATCAAATNA CCTGTGAAGG	AATATTTTGC	CTTCATCCTA	GCTGCTGGGG	AAGCGGGGAG	60
25	AGGGGTCAGG NAGGCTAATG CCATAGGGNC TGCTCCCTCA AAGGAATACG TGCCTTTTCC	AAAAGGGAGG	GGACAGATGG	GNAGCTTTTN		
30	SEQ ID NO:2385 SEQUENCE LENGTH:221 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02750	acid				
35	SEQUENCE DESCRIPTION: GATCAGGGTT TNGGGTCTGT ACTTCCCAGA GAAGTCTTTG ATTCCTCTCC TNTCCCNTTG TCATCTNCTC TCCCTNCTGC	AGTAGAGAAT CCTNCCCTGT	CCTACTCAAA' TGCCTTNTCT	TTTCACTGTA TCCCCTGATT	TATNTTAAGC	
40	SEQ ID NO:2386 SEQUENCE LENGTH:220 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear CLONE: HUMGSO2751 SEQUENCE DESCRIPTION: GATCATGAAA ACAATGTAGG		TATGTATTTG	TCTGTGCTTG	AAAAATATTG	60
	TAAAATGTTA TGTATTTGGA GGGGTGAATT CACANTGAGT TGTGCTTGGN GCCTTACCNT	ATATATTTTG TTATTTCATT	TGGTTTGTCT GAAATACTAG	ATATTTATA	AACACAACTC	120

5	SEQ ID NO:2387 SEQUENCE LENGTH:2 SEQUENCE TYPE:nuc TOPOLOGY:linear CLONE:HUMGS02752 SEQUENCE DESCRIPT	cleic acid				
10	GATCCGCCTG CCTTGC CCTAAGATGT TTTTTA TATTTATATT TGGAAT TTGTGAATTT GAGGAC	GCCTC CCGAAGTGC AAATA ATGTTTTTA FAATT CGTTAATGA	A CTAAATTTTA T TTGTGTCATT	AGAATGTTTT	TAACTAAAGT	
15	SEQ ID NO:2388 SEQUENCE LENGTH:3 SEQUENCE TYPE:nuc TOPOLOGY:linear					
20	CLONE:HUMGS02753 SEQUENCE DESCRIPT GATCTAATTA ATAGCT TGCCAGCCCC TCAGAG GTATTACTCT CTTAGG	TION: TGACC TCCCAAATC CGCAC AAAATGCGT	A AAACAAATGC	ATCCTTTCCT	GGCTAAGCGA	120
25	TTAGACCCGC AGAGTO TGCTCTTGTT TTTAAC CTNATAGCCT TTAGTO	GTCTT CCTGCCTCT TACCA GTTCAAGTC	G AGCTGTGAGT C CACTCTCTCA	GTTGTTCCCT	TTGCCCGGGA	240
30	SEQ ID NO:2389 SEQUENCE LENGTH: SEQUENCE TYPE:nuc TOPOLOGY:linear			·		
35	CLONE:HUMGS02754 SEQUENCE DESCRIP GATCCATGTG CAGTA AGCTTTCCCA GCCTC GCCCAGGCTG TTTGG	TION: ATGCC TGGTGGCTC CTGCC CGTGTTTGT CGCTG CCCAGGAAT	TG AATATCATTC	TGTCCTCAGC	TGCATTTCCA	120 180
40	GTTACTAGAA TAAAA SEQ ID NO:2390 SEQUENCE LENGTH:	219	AA TCTTTCAAA			219
45	SEQUENCE TYPE:nu TOPOLOGY:linear CLONE:HUMGS02755 SEQUENCE DESCRIP GATCTTGACC GGGAA	TION:	GA ACCTTCTAGG	ATAATTTNAT	TTCTTGATTA	60
	GGTGGTGGTT ACATT	TGTAA AAATCATC	GA CCTCTAAATT	TAGGGTTTGT	GCCCTTCACA	120

	ATTAGGTTTT AAATAAATTT	GTTTCGTTAA	CATGTCAAA			219
5	SEQ ID NO:2391 SEQUENCE LENGTH:218 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02756	acid				
. 10	SEQUENCE DESCRIPTION: GATCTGGAAT CGGGGTCAGC CCTCTTCCCA TGCTGGTGGC TCCGTCTTCC AGTGGCCGCT CCAAGTCCAG AATGACCTCG	CACCGTGTCC CTCTTTATAA	CTTGCTGCGG GAACCCTGGT	CTGCATCTTC	CAGTCTCTCC	
15	CTO ID NO. 0000					
_	SEQ ID NO:2392 SEQUENCE LENGTH:217 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS02758 SEQUENCE DESCRIPTION: GATCCATTTT TAATGGTTCA GGGGAAAATA AATGAAAATT					60 120
25	GAAGAAGTTA TCCAAAGTAC AAAAATGTTA GTGGTTTTCC	TGTATAACAT	CTTGTTTATT			
30	SEQ ID NO:2393 SEQUENCE LENGTH:216 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2760 SEQUENCE DESCRIPTION:	acid				
35	GATCAGAGGA ACTTTNAGGT ACACGTCCCC TGCCTCAACA GTTGTGTTGT ACTTCATGGC ACAAGTAATG TTTGAAATAT	GGCACAGCTC ACTCTGATGC	TCACAAAGCT CTGCTGTCTC	CTTCAAGCAT	GGAAGTGGGA	120
40	SEQ ID NO:2394 SEQUENCE LENGTH:215 SEQUENCE TYPE:nucleic	ani d				
45	TOPOLOGY: linear CLONE: HUMGS 02761 SEQUENCE DESCRIPTION:	aciu				
	GATCCATTTC TACCTGCATT					
	GTTCCCAAGC CAGCGCCTGG					
	CTAACCCACT AGAGATTGCC CCTCAATAAA TACTTCCTGC					180 215

	SEQ ID NO:2395 SEQUENCE LENGTH:214 SEQUENCE TYPE:pucleic	acid				
5	TOPOLOGY:linear					
	CLONE: HUNGS02762					
	SEQUENCE DESCRIPTION: GATCTAAATG TAAAAGCAAA	TGAAAAATGC	ATGTNTTTT	NCCTGTCAAA	CATGTATACC	60
	CTTATGTATA GAGACCAGTA					
10	AAAGCAGAAT ATGTAAAANT	CACATGTATG	CGTTTGGTTT	AGGAATGTNC	TTTTGTACTT	180
	CCACTTGAAT AAAGGTGTGT	TTGGTATTCT	GAAA			214
	SEQ ID NO:2396					
15	SEQUENCE LENGTH:212 SEQUENCE TYPE:nucleic					
	TOPOLOGY: linear	acid				
	CLONE: HUMGS02764					
	SEQUENCE DESCRIPTION:					
20	GATCCAGAAA TTCAAACTTC					
	GCAGGCCTGT CCTGGCCGGT					
	GCACCTAGAT GTCCCCAGCA			ATCAAATGTC	AAGGAATTGA	
	CTGAACGAAC TAAGAGCTCC	TGGATGGGTC	UN			212
25	SEQ ID NO:2397					
	SEQUENCE LENGTH:212					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
30	CLONE: HUMGS02765					
	SEQUENCE DESCRIPTION: GATCTATTAA AGTGTCAACT	TTCC+TT+T+	C++CTC++C+	TC14CT444T	ምር ነ ር ምርጭ ም ምር	
	TGAGTTTNCT ATAGAAAATT					60
05	TTAATGAAGG CTTAGGGTGN					
35	GAATATTAAA GGACTTTGAA					212
	SEQ ID NO:2398					
40	SEQUENCE LENGTH: 213					
40	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS 02767					
	SEQUENCE DESCRIPTION:					
45	GATCGAGAAG CTGCTCAATT	ATGCACCCCT	GGAGAAGTGA	CCACGCTGAA	ACCCACCCAC	60
	CCGCTGTGCT GACCATGGGC					
	GGGAGCTGGC GTAATGCCTG			CATACCCCAC	TCTGGAAGGA	
	ACCATCCAGT AAAGGTCTTT	CAGAACCACT	AAA			213
50						

	SEQ ID NO:2399					
	SEQUENCE LENGTH: 211					
	SEQUENCE TYPE: nuclei	acid:				
5	TOPOLOGY: linear		•			
•	CLONE: HUMGS02768					
	SEQUENCE DESCRIPTION	:				
	GATCAGAGAT GCACCACCA	GCCAAGGGAA	CCTGTGTCCG	GTATTCGATA	CTGCGACTTT	60
	CTGCCTGGAG TGTATGACTO	CACATGACTC	GGGGGTGGGG	AAAGGGGTCG	GCTGACCATG	120
10	CTCATCTGCT GGTCCGTGG	ACGGTGCCCA	AAGCCAGAGG	CTGGGTTCAT	TTGTGTAACG	180
	ACAATAAACG GTACTTGTCA	TTTCGGGCAA	A		•	211
	SEQ ID NO:2400					
15	SEQUENCE LENGTH:211			•		
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02769					
	SEQUENCE DESCRIPTION:					
20	GATCAGACAC CCCTTCACGT	GTATCCCCAC	ACAAATGCAA	GCTCACCAAG	GTCCCCTCTC	60
	AGTCCCCTTC CCTACACCCT	GACCTGGCCA	CTGCCGNACA	CCCACCCAGA	GCACGCCACC	120
	CGCCATGGGA GTGTGCTCAC	GAGTCGCGGG	CAGCGTGGAC	ATCTGTCCCA	GAGGGGGCAG	180
	AATCTCCAAT AGAGGACTGA	GNACTGCTAA	A			211
25						
	SEQ ID NO:2401			•		
	SEQUENCE LENGTH: 206					
	SEQUENCE TYPE: nucleio	acid:				
	TOPOLOGY:linear					
30	CLONE: HUMGS02770					
	SEQUENCE DESCRIPTION:					
	GATCACCTAC TTACTGTATT	CTACATTATT	ATATGNCATA	GTATAATGAG	ACAATATCAA	60
	AAGTAAACAT GTAATGACAA	TACATACTAA	CATTCTTGTA	GGAGTGGTTA	GAGAAGCTGA	120
35	TGCCTNGNTT CTACATTCT		TTATCHTCTA	ACGGTTCAGT	GTATCCTTAC	
	AGGAATAAAA GCAGCATNTO	GNTAAA				206
	SEQ ID NO:2402					
	SEQUENCE LENGTH: 205					
40	SEQUENCE TYPE: nucleic	acid ·				
	TOPOLOGY: linear					
	CLONE: HUMGS02771					
	SEQUENCE DESCRIPTION:					
45	GATCGAATGA AGGATTCAAA	ATTAACCACT	CCAAGGGGGG	ATTGAAGGAA	GAACCACTCT	60
-	TAATGGACAA AAAGAAAGAA	AGGGGAGGGA	GTAACAGGGA	TATNAGCTCT	AGCCGCCCAA	120
	GCTAGCAATG GCAACCCTTO	TGGGTCCCCT	TCCAGCATGT	GGAAGCTTTC	CTTTCGCTTC	180
	ATTCAATAAA CAGCTGCTGC	TCAAA				205
50	SEQ ID NO:2403				•	•
	COE LU NO. LTUU					

	SEQUENCE LENGTH: 228					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS02772					
•	SEQUENCE DESCRIPTION:					
	GATCTATAGA CATNAGGAAG					60
	CCATTCCCTC TNCTTCTCTC					
	CACCATCTTT NTTGGCCTCT				ATCTNGCTCT	180
10	CACTCTCTAC GTAGCCACTC	TCCTTCCCCN	ATTTNTGNGT	CCACCONN		228
	SEQ ID NO:2404					
	SEQUENCE LENGTH: 273					
15	SEQUENCE TYPE:nucleic	acid				
75	TOPOLOGY: linear					
•	CLONE: HUMGS02773					
	SEQUENCE DESCRIPTION:					
	GATCTAGCTA GGGCTTTGTC	TNTTCATCTT	TGTGCATAAC	TTACCTGTTA	CCAGTATAGG	60
20	TGGGATATAC ATNTATCTTG	CAGGAAATTC	CCCAAAGCTC	AGAGTCCAGT	TCCTTCCATA	120
	AAACAGGCTG GACAAATGAC	CACTATGTTA	GACCCCCCGG	NTCGACTTCA	GGGGTCAGTG	180
	TTCCTGTCCC AAACCCNCAC	ACAGAATNCT	CTGNCTGNGG	TTCATGTNGA	AACTGAGCAA	240
٠	AAACTANAGT ATCTNTCAAN	ANGTGTAACN	TGN			273
25	SEQ ID NO:2405					
	SEQUENCE LENGTH: 203					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	aciu				
30	CLONE: HUMGS 02774					
	SEQUENCE DESCRIPTION:					
	GATCCACCTC ATATGTGAGT	CCGTCCAAAA	GATGTTACTG	CTCTGGGTGG	GCCAGTGTTC	60
	TATATCGGTT ATACTAACTT					
	TAAAAAATAA AAACAACAAG					
35	ATAAATAAAA TACTCAAATC		100/210/1001			203
	SEQ ID NO:2406					
	SEQUENCE LENGTH: 203					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02775					
	SEQUENCE DESCRIPTION:					
45	GATCTCTGAT GGATTTGTTG					
	AACGCTAAGC CAGGCTGGAG					
	GAACGTNACC TCGACGTCTG		CCCTTTAGCT	GACAATGTGA	CAGTNCTTGA	
•	ATAAAAGTNA GTCTGACAGG	AAA				203
50	SEQ ID NO:2407					•

5	SEQUENCE LENGTH: 205 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS02776	
10	SEQUENCE DESCRIPTION: GATCTGAATG TGAATTTCTA ATTGTATCAG ACGTTAATGT TTTAAAGCTA TAACAAA TAAAATTTCT ACTTTTTGTT TTTNATTTAT TTTAACTGTT CTTTTATCTA TTAAATT GTATGTGGAT GGGGAAGTTT TGTTTCTCCT CTTAGCATTT GTTTCTATAA CCAGAAA AATTCTATAT TAAAGAAATG ACAAA	FGTT 120
	SEQ ID NO:2408 SEQUENCE LENGTH:201	
15	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02777	
	SEQUENCE DESCRIPTION: GATCCCAATC TGAGAAAAGG CAAAAGAATG GCTACTTTTT TCTATGCTGG NGTATTT	TCT 60
20	AATAATCCTG CTTGACCCTT ATCTGACCTC TTTGGAAACT ATAACATAGC TGTCACA TAGTCACAAT CCACAAATGA TGCAGGTGCA AATGGTTTAT AGCCCTGTGA AGTTCTT GTTTAGAGGC TAACTTACAG N	
25	SEQ ID NO:2409 SEQUENCE LENGTH:200 SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY: linear CLONE: HUMGS02778 SEQUENCE DESCRIPTION:	
	GATCTTTAAC TGCCTGCTGA TAAGATATTG GGCCAACTGA AAATAGAAAT TGTTCTT TAGAAATATT TTAATGCTAA CTTGTTAGTT TTCCTCAGAA AGCTAGTATT TGAAGCC CGAGTTTAAG ATNCTCTAAT TTCAATAAAA TAGCTTCCAA ATATTTAAAA TGTAATA	ATT 120
35	TATATGTTTG ACACTCTAAA	200
	SEQ ID NO:2410 SEQUENCE LENGTH:198	
40	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02779	
	SEQUENCE DESCRIPTION: GATCAAAACG CTCCATCTTT TTACAGTGGC ATAGGAAGAC GGCAAAAATT TCCTAAA	AGTG 60
45	CAATAGATTT TCAAGTGTAT TGTGCCTTGT TCTAAAACTT TTATTAAGTA GGTGCAC ACAGTATTGA GGTCANNNNN TATGGTGCTA TTTCANTNAG TCTAGGTTTA GGCCCTT CATNTTGCCC ATAACTNN	
50	SEQ ID NO:2411	
30	SEQUENCE LENGTH: 198	

·	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
5	CLONE: HUMGS02780 SEQUENCE DESCRIPTION:					
	GATCTGCCCA TTGCTGAAAC	TTCAGTACTT	AAGTCCCCTA	TTATNATTGT	ATGGCAATCT	60
	ATCTGTCCAC TCAGAAGTTA					120
	ATATATGTAT TTACAATNAC					
	ATAAACTTAT TTCCCAAA					198
10						
	SEQ ID NO:2412					
	SEQUENCE LENGTH: 198					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY:linear					
	CLONE: HUMGS02781					
	SEQUENCE DESCRIPTION:					
	-GATCTTGAAT CACTTGACAG					60
20	TAAAAGAAAT NATCCAAAGG					
	AAAAAAAGAA AATTGGGCTC	TNTTCTAATC	CAAAGGGTAT	ATTTNCAGCA	TGCTTGACTT	
	TACCAATNCT GATGACAN					198
	SEQ ID NO:2413					
25	SEQUENCE LENGTH: 359					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02782					
	SEQUENCE DESCRIPTION:					
30	GATCCAAAGT AACTAAACAG	GAGCCCACAA	GACGGTCTGC	CAGATTGTCA	GCGAAACCTG	60
	CTCCACCAAA ACCTGAACCC	AAACCAAGAA	AAACATCTGC	TAAGAAAGAA	CCTGGAGCAA	120
	AGATTAGCAG AGGTGCTAAA	GGGAAGAAGG	AGGAAAAGCA	GGAAGCTGGA	AAGGANGGCA	180
	CAGAAAACTG NTTCTGTAGA					
35	ATTTTTTTGT NTGTCTTGGG					
	TTGGTTTTTT TTTTAGGGNT	CTNCTTGTTG	GCATNCGGNA	GTTTTTTANG	GTTTGGNCN	359
	SEQ ID NO:2414					
	SEQUENCE LENGTH: 198					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	ucru				
	CLONE: HUMGS02783					
	SEQUENCE DESCRIPTION:					
45	GATCCCAGGG GTGCACATGG	GCCCCTTGGG	TGTCTGAACA	GAAGGGCATG	GNAGGAAGGG	60
	CTGCACCCCT GCAGTCTTAC					
	CTGCACCGCG GGCTCCTNAG					
	TGTTTTAAAC TTGTCAAA					198
50						
	SEQ ID NO:2415					

	SEQUENCE LENGTH: 167					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
5	CLONE: HUMGS02785					
	SEQUENCE DESCRIPTION:					
	GATCCCATCC ATCAGCTCCC	TTTTCTTTTT	CCCTTGAACT	GTTCTGGCCT	CAGACCAACT	60
	CTCTCCNNNN NTAATCTCTC	TCCTGTATAA	CCCCACCTTG	CCAAGCTTTC	TTCTACAACC	120
	AGAGCCCCCC ACAATGATGA					167
10						
	SEQ ID NO:2416					
	SEQUENCE LENGTH: 196					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS02786					
	SEQUENCE DESCRIPTION:					
	GATCTGTGAT TGGNTGGTTA	ATGGGAAACG	GTTTTTTNCT	TTGGCTGCAG	GTGTTCTGCT	60
	GATATCAACA GCTTCCCTAT					120
20	ATTTNACTTG AAAAGAAAGA	AACCAAGTGC	GCTTTGCAAT	ATTTATTACA	CAAAGAACTT	180
	GCTGCTGCAT TCTAAA					196
	SEQ ID NO:2417					
25	SEQUENCE LENGTH: 194					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02787					
	SEQUENCE DESCRIPTION:					
30	GATCACAGAT TTCCCTGCCA	GGGTGTCTGT	GGTTATCAGC	TGCAGGCTCA	GCTNGGGTCG	60
	GCCGNTTCAC ACAAGCCACT	CTGTACCACG	TGCCCTACCT	TAGTGACGGG	AGTAAGGAGC	120
	TTCCTTCCCC TCCATGTCAT	TCCTNCCTGT	TCCNTNCATT	CCCCAACAGC	AAATAAAACT	180
	GTTGAATGCT CAAA					194
35						
	SEQ ID NO:2418					
	SEQUENCE LENGTH: 193					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
40	CLONE: HUMGS02788					
	SEQUENCE DESCRIPTION:					
	GATCTTCCTA CGCACAACAC	AAACGTCAGT	TAATGTTCCA	TCCATGCTGC	TTAAAGAGCA	60
	TTCCTGTCCT AGTAAAATGG	GCAAGTCCCT	CTACCCCCCA	CCCTCACCTG	GTATGCTTAC	120
45	ATTAATAGCT AAAGTCAATC	CTGTAATGAA	ATAAAGCAAG	TGGTAGCTGT	CTGGTAGCCT	180
	CCACTACTGC AAA					193
						•
	SEQ ID NO: 2419					
50	SEQUENCE LENGTH: 193					
	SEQUENCE TYPE: nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGS02789 SEQUENCE DESCRIPTION: GATCAAAACC CAGCAGAGTG CAAGCAACCTGCACTG GTCTACCTTC TGCTTC	CCTG GAAAGGATGA	ATTTACATCA	TTTGACAAGC	120
	CTATTITCAA GITATTIGIT GITTG1	IIUC IIUIIIIINI	IIIIGCAGCI A		193
10	SEQ ID NO:2420 SEQUENCE LENGTH:192 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear				
15	CLONE:HUMGS02790 SEQUENCE DESCRIPTION: GATCAGACCT CAATAATTT ATACTG	TAAT AAGCTCTTTG	AATGTNTATA 1	rtatt a ttt	60
	TNACAATCAT TTCATTTTGT ATTTAA GTAATGTTCA TATTCAATAT CTTACA	TATC AATGGACTGA	GTCTGATTCA (GAAAATAATT	120
20	GACATGACCA AA				192
	SEQ ID NO:2421 SEQUENCE LENGTH:276				
25	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO2791 SEQUENCE DESCRIPTION:				
	GATCAGGGTT TCAAGAATGA CTGCAG				60
30	GAGGTTTCCC AGAGATATAG TTCACA AAAATTGAAC AAGTTTATTG TTTTGT				
	TAAAACATGA NTTGTAGTTA TAACTO				
	TATTTTCACA CGTNNCTTTN TTTCAT				276
35	SEQ ID NO:2422				
	SEQUENCE LENGTH: 191				
	SEQUENCE TYPE: nucleic acid				
40	TOPOLOGY: linear				
40	CLONE:HUMGSO2792 SEQUENCE DESCRIPTION:				
	GATCTTTTAT TTTCTCATTA TTTATA	ACTT CAGACTTGGG	CCCCCTGTTC 1	TTCTTTCCC	60
	ATTAACTTGA GTGACCTGTG TGAGAG				
45	GACTITTACT TITTATTACA TAAAAA				
	ACTAACTTAA A				191
	SEQ ID NO:2423				
50	SEQUENCE LENGTH: 189				
JU	SEQUENCE TYPE: nucleic acid				

5	TOPOLOGY: linear CLONE: HUMGS02793 SEQUENCE DESCRIPTION: GATCGGAATG CGGGGTCGAG CGGCACCTTT GGCACATTCA AACTACATCT GTCCCTNCCC GTAGTCAAA	TGGCCATTGG	GATGGGCATC	CGATGCTAAC	CATGGTTGCC	120
10	SEQ ID NO:2424 SEQUENCE LENGTH:187 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS02794 SEQUENCE DESCRIPTION: GATCGAGACC ATCCTGGCTA GCCTTGACCG TNTGGACTCA	AGTAATTCTC	CTACTTCAAC	CTCCCAAGTA	GCTGGGACTA	120
20	CAGTCATGCA CCATCATGCC CAATAAA	TATAAAGATA	ATTIAATTIA	TAATAAATNA	TITATACAAA	187
25	SEQ ID NO:2425 SEQUENCE LENGTH:187 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02795 SEQUENCE DESCRIPTION:	acid			·	
30	GATCAATCGT GCATCCTNAG AACTATGGTG TTCAGTTTTG ACTCCTCTAA AANTTACAGT TAGNAAA	CCTCTGTTAG	AAATTCACAC	TGTTGTTGTA	ATNATGTGGA	120
35	SEQ ID NO:2426 SEQUENCE LENGTH:185 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02796	acid				
45	SEQUENCE DESCRIPTION: GATCNCGTTT TNAACCCGNT CTCCTGGTCC CAGTGCACCG ACGCGTGTCT GTCCCCNTCG ACAAA	TCTGCTCTGT	GAACTCCTCC	CACCAGGCCC	TTCTTACCCC	120
	SEQ ID NO:2427 SEQUENCE LENGTH:181					
50	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				

	CLONE: HUMGS02797 SEQUENCE DESCRIPTION:					
	GATCTATGTT TTCTGAAAAT	AATTGGTTAA	TGGAAGTTAT	CTAATATATT	TNAACTGTTC	60
5	CTGTTAAAAA CAATAGGCTT					-
5	CATTTTGTTT GTTAGATTTG					
	A					181
			•			
	SEQ ID NO:2428					
10	SEQUENCE LENGTH: 180					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02798					
15	SEQUENCE DESCRIPTION:					
	GATCCCAAAG GGGTTGGAGG					
	AAGCTCAAGA CCACCAGCCT					
	TTTACCATGT ACAATTGTGA	IIGIGAACGI	IGITGAGTAA	ACCTCCAGAC	TTTCTCTAAA	180
20	SEQ ID NO:2429					
•	SEQUENCE LENGTH: 186					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
25	CLONE: HUMGS02799					
20	SEQUENCE DESCRIPTION:					
	GATCATAAGT NAAAAATGTA	TTTAATATAC	CTAACCTACC	AAACATCATA	GCTTAGCCTA	60
	GCCTGCCTTA AACATGCTCA	GAACACTTAC	ATTAGCCTAC	AGTGGGCAAA	ACTATCCAAC	120
	ACAAAATCTA TATTGTAATA	AAGTTATAAA	${\bf GANTTTTGAA}$	TAAAANTTCA	ATATTTGANG	180
30	TACAAA					186
	SEQ ID NO:2430					
	SEQUENCE LENGTH: 180					
35	SEQUENCE TYPE:nucleic	acid				
33	TOPOLOGY:linear					
	CLONE: HUMGS02800					
	SEQUENCE DESCRIPTION:					
	GATCTGGTGG AGGGAACTGA					60
40	TGTNAAGGGG GCAGGGTCCC					
	GTCCTGTTTG TAAACTCAAC	GTTTCCACGN	CTTTTCCATT	AAACTTTACC	CCAAATCAAA	180
	SEQ ID NO:2431					
45	SEQUENCE LENGTH: 180					
70	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS02801					
	SEQUENCE DESCRIPTION:					
50	GATCTATTTT TCCTAAAACA	TTCCCCTCCC	CACTCCTCTC	CCACAGAGTG	CTNNNNTGTT	60

	CCAGGCCCTC CAGTGGGC					
	CTGTGAATNG AGGCAGAG	IC CICCAAIAA	GIGCCIICIG	GGCITIINCI	AACCIIIAAA	180
5	SEQ ID NO:2432					
	SEQUENCE LENGTH: 179					
	SEQUENCE TYPE: nucle:	c acid				
•	TOPOLOGY:linear					
10	CLONE: HUNGS02802					
	SEQUENCE DESCRIPTION	-				
	GATCTTCACC AATGGCAAC					60
	CGAGTTCTGA GCCAACTG					
15	TCAAGGCTTA GACCCTCAT	G CTGCCAATAT	CCTAATAAAA	AGGTGACCAT	CTGTGCAAA	179
15	CPO ID NO. 2422					
	SEQ ID NO:2433 SEQUENCE LENGTH:273					
	SEQUENCE TYPE:nuclei	a aaid				
	TOPOLOGY: linear	c aciu				
20	CLONE: HUMGS02803					
	SEQUENCE DESCRIPTION					
	GATCTAAAAA TTCAATGCA	•	TTTGGTAGTT	TTGTCTACAT	ATTTNATGCT	60
	CTAGCATGTG CAATATATO					
25	TTTNGCATAA CATATTTGT					
	TCTATAATGT TTTCTTATG					
	AAANTGGGGA AANTGACTT	T NAGTTCAGTG	AAN .			273
	SEQ ID NO:2434					
30	SEQUENCE LENGTH: 178					
	SEQUENCE TYPE:nuclei	c acid			•	
	TOPOLOGY:linear					
	CLONE: HUNGS02804					
35	SEQUENCE DESCRIPTION	:				
	GATCCAAACT AATTTTACA	TTAAAAAAAA	AGTTAAACTA	AACTTCTTTA	CTGCTGATAT	60
	GTTTCCTGTA TTCTAGAAA					120
	GTTAAGGGAT GATGGCTTT	T ATAAATNTGT	ATTCATTAAA	TGTTACTTTA	AAATAAA	178
40	CCO ID NO 0405					
	SEQ ID NO:2435					
	SEQUENCE LENGTH: 176 SEQUENCE TYPE: nuclei			•		
	TOPOLOGY: linear	c acid				
45	CLONE: HUNGS02805					
·-	SEQUENCE DESCRIPTION					
	GATCTAAAAT AAATATTGT	-	CCTCTAGGGA	ATGGGATTTA	GATTTAAAA	60
	GGGTGGGATG GGAAACTGT					
	CTTGTGCATG TATTACTTT					176

5	SEQ ID NO:2436 SEQUENCE LENGTH:175 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02806 SEQUENCE DESCRIPTION:	acid				
10	GATCANCCCT CAAGGGCACA CATGGGGGTG TAGGGAGTTC GGTGAGGCTC AGTGGCAGGT	GGGGTAGCTC	CTCATTAACT	ATTTGTNGGN	TGAGTAAAGG	60 120 175
15	SEQ ID NO:2437 SEQUENCE LENGTH:175 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02807	acid				
20	SEQUENCE DESCRIPTION: GATCGGCAGC AAGAGTAAAG CCTTAGGCAG CCCCCCTCTT ACTCTCAGGT GGTGGGGTGG	TGGCCCCCTC	CTGTCAGGCC	CAGGGCTTGG	AGTGAAAGTN	
25	SEQ ID NO:2438 SEQUENCE LENGTH:174 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02808	acid				
30	SEQUENCE DESCRIPTION: GATCCCTTCA CTGGCCCCCT GNGGNGGACC GCAGCACCTA GTAGATTATT TATTTGTNA	TCTGAGCAGT	TAGAGCGTCT	TTTTTTCAG	ATTGTGTACA	
35	SEQ ID NO:2439 SEQUENCE LENGTH:172 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE:HUMGS02809 SEQUENCE DESCRIPTION: GATCTTGTCT GAAATGCTAG AGTAGAGCTG CTTAAAATAA TCTGTGTTAT AATAGAAANC	TTCCCTTTTT	TTTTCTGTTG	AATTCTGTTA	CAAAACCAGG	60 120 172
45	SEQ ID NO:2440 SEQUENCE LENGTH:171 SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY:linear					

	SEQUENCE DESCR						
	GATCAATGTC CCT						
5	TTTTNCTCCT TCT.						
	CTNTGTTTCA GCA	ACIGIAI	AAATTAAACA	CAGAINATIA	CTACTGCTAA	A	171
	SEQ ID NO:2441						
	SEQUENCE LENGT						
10	SEQUENCE TYPE:		acid				
	TOPOLOGY: linear CLONE: HUMGS 028						
	SEQUENCE DESCR						
	GATCGTAAAA TTT		T A A A A A TTTT	TTCATAACCT	TTC \T \ \ T \ \	ACTTTAATAA	60
15	TAGGTTTATT AAC						
	CATATACAAA TACA					IUINININI	170
	CATATACAAA TACA	naca I I I	ACARIAAAIA	AAATACTTUA	ARTICICAAA		110
	SEQ ID NO:2442						
20	SEQUENCE LENGTI	H:196					
	SEQUENCE TYPE:	nucleic	acid				
	TOPOLOGY: linear	r					
	CLONE: HUNGS 028				•		
25	SEQUENCE DESCR						
25	GATCTACTTT GAAT	TTCCACA	CTCTCATTAA	TAAATTGANT	AAAAGGGAAT	ATTTTGGCAC	60
	CTGATATAAT CTG						
	ATGCACTGGT CTG		AAATNATTTA	ATAAAATGAA	CTATTATCAA	ATAAAACGTA	
	TGATTCAGTC CTTA	AAA					196
30	PEO ID NO.0440						
	SEQ ID NO:2443	U. 01C					
	SEQUENCE LENGTH SEQUENCE TYPE:			•			
	TOPOLOGY: linear		aciu				
35	CLONE: HUMGS028						
	SEQUENCE DESCRI						
	GATCAAATTT TTT		ATNATGTGAT	GAGTTGCCAA	ATAATTGANA	TTATTTTAAA	60
	ATGTTTTGTT CATA						
40	TTTTNATTTT NACT						
40	GAGATTTTAT ATA	TAANTNA	TAAAANGTTT	ACCAAA			216
	SEQ ID NO:2444						
	SEQUENCE LENGTI	U. 172					
45	SEQUENCE TYPE:		anid				
	TOPOLOGY: linear		aciu				
	CLONE: HUMGS028						
	SEQUENCE DESCR						
50	GATCGTTAAT GCC		TGGTTTTTGT	GGGTGTGAAC	AAATGGTGAG	AATTTGAATT	60
00	GGTCCCTCCT ATN						

	CCTGATTTTA TATACTTGTA	TCTATCAATA	AACATTGTGA	TACTTGATGT	AAA	173
5	SEQ ID NO:2445 SEQUENCE LENGTH:223 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS02815 SEQUENCE DESCRIPTION:					
10	GATCAGCTCC GTGGGGCTGG	TTTTGGTCCA	CAGCATAACA	GGCACTGCCT	CCTTACCTGT	60
	GAGGAATGCA AAATAAAGCA					
	TAAATTCTGT GTCTGTGACT ATTTCAAGTG TACTTTAAAA				CACATTTAAA	180 223
15						
	SEQ ID NO:2446 SEQUENCE LENGTH:168					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
20	CLONE: HUMGS02816					
	SEQUENCE DESCRIPTION: GATCTGTCAC TTTGTATAAA	AACAAGAAAC	GATTAGTTCA	TTAAACTTTT	TCTTTACCTT	60
	CTGGTAGTAA AAATAGATAA					
25	CATATGTAAC TGGGACTTTT	GTAAATAAAT	NTTTTTGCGC	TCTGCAAA		168
	SEQ ID NO:2447					
	SEQUENCE LENGTH: 168					
30	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS02817					
	SEQUENCE DESCRIPTION:					
	GATCATAAAA TGTATCTTTT					
35	CCCAGTTNGT ATCAAAGGGT TTTTAATGTA ATNCTGTTTT				TACTTTTTCC	120 168
	SEQ ID NO:2448 SEQUENCE LENGTH:135					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS02818					
15	SEQUENCE DESCRIPTION: GATCTGTGCA ATAAAGTGTT	TGCAGTCTTA	TTATTCTCTA	AGAAATTCCT	TATGGACGTC	60
45	ATAATTGTTG TATATTGAAC					
	AAATTTAGCA TGAAA					135
	SEQ. ID NO:2449	•				
50	SEQUENCE LENGTH: 167					

	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS02819	
5	SEQUENCE DESCRIPTION:	
	GATCCTGCCA GAAAATTTCA AAGACAGTAG ATTGAAAAGG AAAGGCTTGG TAAAAAAGGT 60	
	TCAGGCATTC CTAGCCGAGT GTGACACAGT GGAGCAGAAC ATCTGCCAGG AGACTGNGCG 120	
	GCTGCAGTCT ACAAACTTTG CCCTGGCCGA GTGAGGTGTA GCAGCAN 167	
10	SEQ ID NO:2450	
	SEQUENCE LENGTH: 167	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
15	CLONE: HUMGS02820	
	SEQUENCE DESCRIPTION:	
	GATCAGNAGG CATCACTGAG GCCAGGAGCT CTGCCCATGA ACCTGTATCC CACGTACTCC 60	
	AACTTCCATT CCTCGCCCTG CCCCCGGAGC CGAGTCCTGT ATCAGCCCTT TATCCTCACA 120	
	CGCTTTTCTA CAATGGCATT CAATAAAGTG CACGTGTTTC TGGTAAA 167	
20		
	SEQ ID NO:2451	
	SEQUENCE LENGTH: 413	
	SEQUENCE TYPE:nucleic acid	٠
25	TOPOLOGY: linear	
	CLONE: HUMGS02821	
	SEQUENCE DESCRIPTION:	
	GATCCGGTTT CTTTTTGCTC GCCCCTGTTT TTTGTAGAAT CTCTTCATGC TTGACATACC 60	
30	TACCAGTATT ATTCCCGACG ACACATATAC ATATGAGAAT ATACCTTATT TATTTTTGTG 120	
	TAGGTGTCTG CCTTCACAAA TGTCATTGTC TACTCCTAGA AGAACCAAAT ACCTCAATTT 180	
	TTGTTTTTGA GTACTGTACT ATCCTGTAAA TATATCTTAA GCAGGTTTGT TTTCAGCACT 240	
	GATGGAAAAT ACCAGTGTTG GGTTTTTTTT TAGTTGCCAA CAGTTGTATG TTTGCTGATT 300 ATTTATGACC TGAAATAATA TATTTNGTNC TTCTAAGANG ACATTTTGTT ACATAAGGGG 360	
05	ATGGCCTTTT TTATACAANG GGAATAANAT TNTGGGCATT TCCTATGGAGGGCATT TCCTATGGAA AAA 413	,
35	ATOCCTITE TIATACAMIC CONTINUES INTOCCTITE TOCTATOCAMIC TOCTATOCAM AND 410	,
	SEQ ID NO:2452	
	SEQUENCE LENGTH: 166	
	SEQUENCE TYPE:nucleic acid	
40	TOPOLOGY: linear	
	CLONE: HUMGS02822	
	SEQUENCE DESCRIPTION:	
	GATCTGTNAT TGGCATCTTG GTTCTACCTT TTATCAGATG TTGTTGCCTT GTGCAAATNA 60	
45	CATTITCTCT GAGTCTCCAT TITCTCATTT ATAACATGCG GAGAATAATA CITATATITG 120	
	TGGTAGTAGT GTGAACATTA AAAAGATAAT GTATGTGAAG TACAAA 166	
	SEQ ID NO:2453	
50	SEQUENCE LENGTH: 165	
30	SEQUENCE TYPE:nucleic acid	

. 5	TOPOLOGY:linear CLONE:HUMGS02823 SEQUENCE DESCRIPTI GATCCATGCT AATATTG TTATGAAAAT ATTTGTA TAATATATTT TGNTATA	TAT TTTTTNTTA/	AGTTGGAAAT	AGCAGTAAGC		
10 .	SEQ ID NO:2454 SEQUENCE LENGTH:16- SEQUENCE TYPE:nucle TOPOLOGY:linear CLONE:HUMGS02824				٠	
15	SEQUENCE DESCRIPTION GATCTTGTTA GAAGGCAO TCCTGGGAGA TGCTGATO TATCCTTANN NNTTGTAA	TA GGTCTGGGGT CT ATCGAGCCAC	AACCACACTT	TGAGTAGCAA		
20	SEQ ID NO:2455 SEQUENCE LENGTH:164 SEQUENCE TYPE:nucle TOPOLOGY:linear					
25	CLONE: HUMGS02825 SEQUENCE DESCRIPTION GATCAATGCC AGATTTTN TGGGAAAATN CTTTGATA	TT NTTGGGGTAA				60 120
	TACCANTTAT AATNATAT	CA ATTAAAGTTG	ATAAAAGCTT	CAAA		164
30	SEQ ID NO:2456 SEQUENCE LENGTH:164 SEQUENCE TYPE:nucle					
35	TOPOLOGY:linear CLONE:HUMGS02826 SEQUENCE DESCRIPTIO GATCCCTTCT GCCCTGGG	N:	CTAATCTNAC	CCTTCTNCAN	TCCTTT 1 CCC	60
40	TAGCTGACCC CTTCACCT TTGTAAGAGA CTGTTTAT	CT CCCCCTCCCT	TTNCCTTTGT	NTTGGGATTC		60 120 164
	SEQ ID NO:2457 SEQUENCE LENGTH:162					
45	SEQUENCE TYPE:nucle TOPOLOGY:linear CLONE:HUMGS02827 SEQUENCE DESCRIPTIO					
	GATCCAGAAT ATTTTCAT					
50	ACATTGTAAA AGTAGGGA	AC AGTACAAAAG	AATGGAATCA	AATACTATAT	TATGTGAATA	120

	ANCTAGAGTG ATTTTGGAAT	TTCACTCTCT	TCACCCCTTA	AA		162
5	SEQ ID NO:2458 SEQUENCE LENGTH:161 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02828	acid			·	
10	SEQUENCE DESCRIPTION: GATCAAAAAC CTCTATAGTA GTGTGTACAC TGTTCAATAT TTCATTGCAA TGNAATAAAA	GGTTCAATAT	GGTACCAATA	GCCACATGTG		60 120 161
15	SEQ ID NO:2459 SEQUENCE LENGTH:159 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid .				
20	CLONE:HUMGS02829 SEQUENCE DESCRIPTION: GATCTTCACC TCTCTGCCTC CCAAAGGGTT CTGGCCCCTT GGTGTTAGTT ATCGAATAAA	CTCACTCTCC	TCTCCTCTCA			
25	SEQ ID NO:2460					
30	SEQUENCE LENGTH: 159 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS02830 SEQUENCE DESCRIPTION:					
	GATCAATTTA AAATATTTNA CCTTCTCCTT TCATGGGAGA					
35	AAAAGAAATT ATAATAAAAG					159
40	SEQ ID NO:2461 SEQUENCE LENGTH:158 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE:HUMGS02831 SEQUENCE DESCRIPTION: GATCTATTTA ATTTGAGGTT TTTTCATATG TTGATTTGTT					
45	TTTNCCCCAT CCCTGTCTTG			INTINOTIAN		158
	SEQ ID NO:2462 SEQUENCE LENGTH:256					
50	SEQUENCE TYPE: nucleic	acid				•

5	TOPOLOGY:linear CLONE:HUMGS02832 SEQUENCE DESCRIPTION: GATCTGAAAT GTGATGATTA AACTGAAATG GATAAAAATT TTTTCTCTGC AGTATTAAAC TTTCATTATG TGTGCTTCCA GNACTTTATA CAGAAA	AGTATATATG ATTTGGAAGA	TTTATTTTGT GACTAAAGGT	TCTATCTCCT ATGCAAAANT	TTGGTTGTAT AATGTCTTAT	120 180
10						
15	SEQ ID NO:2463 SEQUENCE LENGTH:156 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02833 SEQUENCE DESCRIPTION:	acid				
	GATCTTGTGT CTACTCTAGG	ACTGGGCCCG	AGGGTGGTTT	ACCTGCACCG	TTGACTCAGT	60
	ATAGTTTAAA AATCTGCCAC	-				
20	TTCCCCTTTC TTGTAATAAA					156
25 30	SEQ ID NO:2464 SEQUENCE LENGTH:156 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2834 SEQUENCE DESCRIPTION: GATCTTCTCC TTTGTGAAGC TCTGTTTTTC CACAGCATCT CTGCGTCCTG TAAAAAACAN	ATCCCTCACC ATGCTTCTNT	NCACTGTATC			60 120 156
35	SEQ ID NO:2465 SEQUENCE LENGTH:191 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02835 SEQUENCE DESCRIPTION:	acid				
40	GATCTGCATT TATCATGAGT TGANGTAGTT CAGTCATGTC AGTTTTTTT TAGNGATGAA CATCTGTTNA N	AGGTTTGTCT	GGGGTGGANT	GGACCAGTCA	GGTAGTTGAA	120
45	SEQ ID NO:2466 SEQUENCE LENGTH:155 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid	·			
50	CLONE · HUMGS 02836					

5	SEQUENCE DESCRIPTION: GATCCACCCC CTGCCCACAA GAACTAATGA TAATCCCACC	ACCCTTTGCT	GACTCTTTTT	 	
	CAGGTGATTA AAAAGCTTTA	TTGTTCACAC	ANAAA		155
10	SEQ ID NO:2467 SEQUENCE LENGTH:154 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02837	acid			
15	SEQUENCE DESCRIPTION: GATCCTAGCA AATTTGCCCA TGAGAAGACA AGTTTCCCAG TTGTAGTTAA AGGAATTTAA	AAGTGCCTGG	TTCTTTTTAC		
20	SEQ ID NO:2468 SEQUENCE LENGTH:154 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
25	CLONE:HUMGSO2838 SEQUENCE DESCRIPTION: GATCGGGCCT AGCCCGGCAA AACTTAATGA CTGTNTACAT TTATTAATTT TCATAAAAGC	AGCAATGTGT	GTGTATGTAT		
30	SEQ ID NO:2469 SEQUENCE LENGTH:153 SEQUENCE TYPE:nucleic	acid			
35	TOPOLOGY:linear CLONE:HUMGS02839 SEQUENCE DESCRIPTION: GATCACCCGG GGCTGTCTGC CTCCCCAGAA TCCTGGAACC ACTTCCAATA AAACCTCTTC	TGCTCCTTCT	GCTCTCGTGA		
40	ACTICOANTA AAACCICTIC	ATTIUAAAUU	AAA		100
45	SEQ ID NO:2470 SEQUENCE LENGTH:154 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02840 SEQUENCE DESCRIPTION:	acid			
50	GATCTTAAGC CCAGCTCTGT GGTTCCCTTG GATTTAGGGA TTTCTAACAG CAATAAAGAG	TAGTGTCCCT	CTCCATGTCC		60 120 154

5	SEQ ID NO:2471 SEQUENCE LENGTH:152 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02843	acid			
10	SEQUENCE DESCRIPTION: GATCACAGGC CITGCTTTTG AAAAGTCAAA GTGTTGCTGN AAATTAACAA TAAAGAATTT	GGCTCCATAT	TTCAACTAAA		
15	SEQ ID NO:2472 SEQUENCE LENGTH:151 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02844 SEQUENCE DESCRIPTION:	acid			
20	GATCGTATTC CCTGCTTTAA GAGACATTTA AACTGTATTT TGGAAATAAA ACATTGCCTA	ACCAGTGTGA	AAAATGTCAT		
25	SEQ ID NO:2473 SEQUENCE LENGTH:150 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02845	acid			
30	SEQUENCE DESCRIPTION: GATCCAATCA GCTGTAAGTN AACAGCAGCT TCAACCTGAG TCTTCAGAAT ACATTGGATG	CCCTGNGTCC	CAGCCAGCCC		
35	SEQ ID NO:2474 SEQUENCE LENGTH:149 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
40	CLONE:HUMGS02846 SEQUENCE DESCRIPTION: GATCCAGAGA GTCTGAAGAC TTNATATCCT TTCTTCAAAA GGTATAATTA AAGAGATAAT	ATCTAAATNA			
45					
	SEQ ID NO:2475 SEQUENCE LENGTH:153 SEQUENCE TYPE:nucleic	acid			
50	TOPOLOGY:linear CLONE:HUMGS02847				

5	SEQUENCE DESCRIPTION: GATCCAGTAC CTGAAAGATT CCCCTAGTTG AGGATAGTCA TGTTCCAATA AATTATTTTG	GGAGCGTCAA	TGTGCTTGTA			
10	SEQ ID NO:2476 SEQUENCE LENGTH:147 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02848	acid				
	SEQUENCE DESCRIPTION: GATCCTITTG GAGTCAGACA TTTCTCATTT GCCAATAATA AAATAAAGAA CTAGCATAAC	ATACCTCCCT				
20	SEQ ID NO:2477 SEQUENCE LENGTH:207 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02849	acid				
25	SEQUENCE DESCRIPTION: GATCTCCAGT GATTGGCGAT TGTTGGTGCA TCTCTTGTCT CTTGTATGCA ACTNTGTAAT GCGTGTNCAC TGGAAAACAT	TCTTTCCTTT CTGATTNCCC	TCCATTCTCC	TNTATTNTTN	TATTTACATA	
30	SEQ ID NO:2478 SEQUENCE LENGTH:146	AINIAIN				201
35	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02850 SEQUENCE DESCRIPTION: GATCGAGCTC ACAGGGGGCA		T4CTC44C4C	A CTCTC A A CC	ACTC ACCCTC	60
40	TTGGATTCCT CTGTTGTTGT ATAAATAACT CCTTTGTAGC	CATCAATTCC				60 120 146
45	SEQ ID NO:2479 SEQUENCE LENGTH:144 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2851 SEQUENCE DESCRIPTION:	acid				
50	GATCCCGGCC AGCCAGGTGA GCCCCTGCCC CGGCTCCCCG AAACTCCGGA AGCAAGTCAG	CCAAAGCACC				

5	SEQ ID NO:2480 SEQUENCE LENGTH:143 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02852 SEQUENCE DESCRIPTION: GATCCAGGCA AATTCATGTT		AACTCACTTT	CTTCGTCAAC	ATTTCTGTGA	60
10	CTCAATGGAT AGCATATTTC CCTTAAATAA AATAACCCTC	CATCAAGTAG				120 143
15	SEQ ID NO:2481 SEQUENCE LENGTH:290 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02853	acid				
20	SEQUENCE DESCRIPTION: GATCTCTTTG ACTGCTGTAG CATTTTCCAT TTATATATAT TCCATTTATA TTACATTTGT GAACTCTTGG AAATGTTATT GATTGTATTC AAAAGNTTAA	TTTTTAAGAG AACCATGATA AGTGAAGTTC	GCTAGAGTGC CTTTAATCAG GCAACTAAAC	TTTTAGCCTT AAGCTTAGCC TAAACCTGTA	TTTTAAAAAC TTGAAATTGT AAATTATGAT	120 180
25	SEQ ID NO:2482 SEQUENCE LENGTH:143 SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear CLONE:HUMGS02854 SEQUENCE DESCRIPTION: GATCTGATTG AGATGTACAT TGTTAACATG AGAAATGTAT					
35	TAAATAAAAT ATTTGGAAGG		INUITUATUT	AIGITITINA	ATTIMIMIT	143
	SEQ ID NO:2483 SEQUENCE LENGTH:269 SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGS02855 SEQUENCE DESCRIPTION:					
45	GATCCTTATC AGGGAGAGCA GCCTCCTGTC TGCCCCCAGG CAGGGCTGCA TCTGCAAAGG AGCNCGCTCC NAGATGTAAA	CTGCTGCTNC GGCGTCGGAC GAACGCGACT	TGCTGCCCTG AAGTGCAGCT	TGGGTTGTGC GCTGCGCCTG	CAAGTGTGCC ATGCTGGGAC	120 180 240
50	CCTGACNGTN ACCGTTTGCN	ATATTNCNN				269

5	SEQ ID NO:2484 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02856 SEQUENCE DESCRIPTION: GATCATACAT TITATATGGT GACCTCTTTT CAGTTCATCA AATATGAGCT GGGGATTAAA	TGGGACTTCT AGTTCATCAG		
15	SEQ ID NO:2485 SEQUENCE LENGTH:139 SEQUENCE TYPE:nucleic		·	140
20	TOPOLOGY:linear CLONE:HUMGS02857 SEQUENCE DESCRIPTION: GATCCAACCC CACCCTCCTG CCCAAGAATG GTTCTGGCAA			120
25	ACGAGGTTCT GCCATGAAA SEQ ID NO:2486 SEQUENCE LENGTH:139 SEQUENCE TYPE:nucleic	acid	·	139
30 -	TOPOLOGY:linear CLONE:HUMGS02858 SEQUENCE DESCRIPTION: GATCTGCCGG CTCCCGTCCA AATTCTACAA TCCCGCTGGG CCCTGGGGGG TCATTCGAN			
35	SEQ ID NO:2487 SEQUENCE LENGTH:138 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		139
40	CLONE:HUMGS02859 SEQUENCE DESCRIPTION: GATCTTCAAT GCCTCTGAGT GGAGACTGGG CAAAACCTGT TAAATTTCTT AAATCAAA			120
45	SEQ ID NO:2488 SEQUENCE LENGTH:231			138
50	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02860	acid .		

5	SEQUENCE DESCRIPTION: GATCATGGTT CTCTTTGTAC TTTAAATTTT GGTTATGGGT TGTGATAGGT TTTTTNCTGT ACATTGAATA CNTATTCATT	TTCACCTTTT ATCTTTTCCT	AAAATAATCA GTTAAACACA	AACATATTTA CAGACCCCTC	TCTTTTCCTG CCCAATCTGG	
10	SEQ ID NO:2489 . SEQUENCE LENGTH:137 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02861	acid				
. 15	SEQUENCE DESCRIPTION: GATCTGCCCC TGCATTGTAG ATTCTAGGGT GTGGGCTGAG ACAAGAACAA TGATAAA					60 120 137
20	SEQ ID NO:2490 SEQUENCE LENGTH:135 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02862	acid				
25	SEQUENCE DESCRIPTION: GATCTTTAAA TTTTGAGACA CACCATTTTT TATTCTGTGT TTTAATCATT CCAAA					60 120 135
30	SEQ ID NO:2491 SEQUENCE LENGTH:286 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2863	acid				
35	SEQUENCE DESCRIPTION: GATCCAAATA TTTTCAAGCC ACCTTTGTGT GTTTTCTAAT CTNGTATGAT ATTNTGTAAA	TGTACCTGAG	TTGACCATCC	TTTCTTTTTA	NAGTATATTT	120
40	GCAACTGCAG TGTATTTATG AATATGGTNC CTCCACACAT SEQ ID NO:2492 SEQUENCE LENGTH:135				TGTGCATATT	240 286
45	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02864 SEQUENCE DESCRIPTION:	acid				
50	GATCATGCCT CTTTCCAACA	CGTGTTCACA	ATCTCCAAAG	GGACTGTATT	TNTNCTCTGT	60

	GCTTAATNTG ATTTGAAATA GATAATAGCC TTAAA	TGTTGAATCA	AAGTGAAATA	TTTATNTTTT	GAATAAAGGA	120 135
5	SEQ ID NO:2493 SEQUENCE LENGTH:135 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02865	acid				
10	SEQUENCE DESCRIPTION: GATCGAAAAC AAACGNTAGA AAGAAAGAGA TGCAACCCAC TTTNACTATG AGATN					60 120 135
15	SEQ ID NO:2494					
20	SEQUENCE LENGTH:135 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02866	acid				
	SEQUENCE DESCRIPTION: GATCATGCCA CTNCACTCAC AAAACAAACA AAAAAAATCA NCTTCATTTG ACAAN					
25	and the version					100
<i>30</i>	SEQ ID NO:2495 SEQUENCE LENGTH:134 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02867 SEQUENCE DESCRIPTION:	acid				
35	GATCATTAAC ATGCCAGGGC GGAGGCTTGA AACATTAATG AACAAAACCA ACAN					
40	SEQ ID NO:2496 SEQUENCE LENGTH:134 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2868	acid				
45	SEQUENCE DESCRIPTION: GATCATGCCA CTGGACTCTG ATAAACAAAT AAACAGTAAA TAACTTGTGT GAAA					
50	SEQ ID NO:2497 SEQUENCE LENGTH:133					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02869	acid				
	SEQUENCE DESCRIPTION: GATCACATGT GGGCCCGTGT TAATTTATTG CCGTGCGTCC TTCTGGTTTC AAA					60 120 133
10			•			
15	SEQ ID NO:2498 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02870	acid				
20	SEQUENCE DESCRIPTION: GATCCTGGAC ATATTTTATA GGTAGTGGTT TTTAAATTTT TAAAAATGTA AA					60 120 132
25 .	SEQ ID.NO:2499 SEQUENCE LENGTH:131 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2872	acid				
30	SEQUENCE DESCRIPTION: GATCCTGTTT TTTCTTAACA TGTGTCCGTA AACCTGAGTT AATCCTGCAA A					60 120 131
35	SEQ ID NO:2500 SEQUENCE LENGTH:133 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02873	acid				
40	SEQUENCE DESCRIPTION: GATCCTGGAT GGAACTGGCT GAATCCAAAC CTGTGTCATG NTTNGGGTNN AAA					60 120 133
.	SEQ ID NO:2501 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2874	acid				
50	SEQUENCE DESCRIPTION: GATCTCTGCT CTTTGTCAGA	GATTTGCAAA	GACTCACGTT	TTTNTTGTTT	TCTCATCATT	60

	CCATTGTGAT ACTAAGAAAC GTTCTAGAAA	TAAGAAGCTT	AATGAAAAGA	AATAAAATGC	CTATGTTGTT	120 130
5	SEQ ID NO:2502 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02875	acid				
•	SEQUENCE DESCRIPTION: GATCAAAAAA GGCAGATGNA TTTGTTGGTT GGCTGGTTTG NATTTNAATN					
15	SEQ ID NO:2503					
20	SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02876	acid				
25	SEQUENCE DESCRIPTION: GATCCCCCAC CTGGCAGAGG TTTGGAAGGG CAAACATATT ACTTTTAAA					•••
30	SEQ ID NO:2504 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUHGS02877 SEQUENCE DESCRIPTION:	acid				
35	GATCTTCTCC GAGGCCCACC GGAGGGCCAG AGTGTGTATA AGTCTCAAA					60 120 129
. 40	SEQ ID NO:2505 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE:HUMGS02878 SEQUENCE DESCRIPTION: GATCTAAATA AGTGTTTCAA GCATCATTAC TCTGTTAATT AAAAACAAA					
50	SEQ ID NO:2506 SEQUENCE LENGTH:128					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02879 SEQUENCE DESCRIPTION: GATCGTGCCC CGGGGCGCCG TCCCGCTTTG CTTCCTTCCC CGCAGAAA	GCCCCTGNAG				
15	SEQ ID NO:2507 SEQUENCE LENGTH:127 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2880	acid				
	SEQUENCE DESCRIPTION: GATCACTCTT GTGGTTTTGG TATTGTNATG CAGATTTGTT GGGNNNN					60 120 127
20	SEQ ID NO:2508 SEQUENCE LENGTH:128 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE:HUMGS02881 SEQUENCE DESCRIPTION: GATCCCACGC AGCGCTGAAC TCAGGGCGTT TCCCATTGAC ATTAGAAA					
35	SEQ ID NO:2509 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				120
40	CLONE: HUMGS02882 SEQUENCE DESCRIPTION: GATCGAGCTT CTCCTCTGAG GTGCAGCTTT GTTGTCCTTT ACATTGAAA					
45	SEQ ID NO:2510 SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02883	acid			, in	
50	SEQUENCE DESCRIPTION: GATCTCTGAT TTAACCGTGT	ACTATCCACA	TGCATTACAA	ACATTTCGCA	GAGCTGCTTA	60

	GTATATAAGC GTACAATGTA ACAAA	TGTAATAACC	ATCTCATATT	TAATTAAATG	GTATAGAAGA	120 125
5	SEQ ID NO:2511 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02884	acid				
10	SEQUENCE DESCRIPTION: GATCTTCCAT CTCCTCAGCA ATAGCCTTAN TTCCTTCCCT CNTN					
15	SEQ ID NO:2512 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear CLONE: HUMGS02885 SEQUENCE DESCRIPTION: GATCTACAGA TTCAATGCAA	TTNCTATTAA	AATCTNATCT	GGCTTTTTTT	GCATAAGCAA	60
25	CAAAGGAAAA ANTAAGACAT NGAN	CAAAATTTNA	AGANCTTTTG	TCCTACAAAC	AATATCATGA	120 124
	SEQ ID NO:2513 SEQUENCE LENGTH:343					
30	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2886 SEQUENCE DESCRIPTION:	acid				
35	GATCAGAAAA TTCATATTA TTTACAATGC AATACTTAAA AATGTAGAGT GACTTTCTGC NCTACCATTG TAATAAGTGT	TTTTAATACT AATATTTCAA AGCAAAATCT	CTTGTAGGAG ACCTATATCA CCTTAGATAT	AAAAAGCAAC GAGAATTACA CTGAAAAGTC	TGTATAAATG CTGTGGGAAA ATACTGGATG	120 180 240
40	GAATCTGTAG GAAACGGTTC AATTCAGAAA ATGTTATAAA				TTTTTAAGTG	300 343
45	SEQ ID NO:2514 SEQUENCE LENGTH:123 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02887	acid				
	SEQUENCE DESCRIPTION: GATCTNTACC CCACCCCTAT ATATAACCTG TNAGGCTGGC					
50	ATN					123

5	SEQ ID NO:2515 SEQUENCE LENGTH:121 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02888 SEQUENCE DESCRIPTION: GATCCAAAAT TACCTTCCTA GCCAAATNAC AAAAGATGTA N	TTGCATTTCC				
	CEO ID NO OTIC					
15	SEQ ID NO:2516 SEQUENCE LENGTH:122 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02889 SEQUENCE DESCRIPTION:					
20	GATCAACCAA CCTTAAATAT TTGGAATATT TGTNTTTGTA					60
	AA	ATTACTION	AIGIIIIAAA	SIAAAANIII	IAIICAGIIA	120
25	SEQ ID NO:2517 SEQUENCE LENGTH:122 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE:HUMGS02890 SEQUENCE DESCRIPTION: GATCTGGCAC CCCCTGGGTG GACCACACAG TAGCCAAGTT AA					60 120 122
35	SEQ ID NO:2518 SEQUENCE LENGTH:119 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS02891					
40	SEQUENCE DESCRIPTION: GATCTCAAAG ATATGCACCA CATTTTAAAT TNTCATTTTG					60 119
45	SEQ ID NO:2519 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02893	acid				
50			-			

	SEQUENCE DESCRIPTION:					
	GATCATAGGA TAGCTGACTT	TGACAGTCAC	ATTTATAAAG	TAATTCACTT	AAAGATATAT	60
	ATTITITCA AACAAGTITT	GCTACTTTTG	AAAATAAATC	TTTCTTTATA	TTGCTAAA	118
5						
	SEQ ID NO:2520					
	SEQUENCE LENGTH: 118					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS02894					
	SEQUENCE DESCRIPTION:					
	GATCCAAACC CATCTTCCTG	GACCTGAAGC	TTATGCTTCC	AGGCACCCCA	CTCCTGAGCT	60
	GAATAAAGAT GATTTAAGCT	TAATAAATCG	TGAATGTGTT	CACATGAGTT	TCCATAAA	118
15						
	SEQ ID NO:2521					
	SEQUENCE LENGTH: 118					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear			-		
20	CLONE: HUMGS02895					
	SEQUENCE DESCRIPTION:					
	GATCTGCACA GTGTTATGGC					60
	GTNCAGAAAC AGGAGGCCGA	GANCCAGCAG	CTGGCAGATG	CCGTCCTNNC	AGGGCGGN	118
25						
	SEQ ID NO:2522					
	SEQUENCE LENGTH: 118					
	SEQUENCE TYPE: nucleic	acid				
30	TOPOLOGY: linear					
30	CLONE: HUMGS02896					
	SEQUENCE DESCRIPTION:					
	GATCCTATCT TTNCTGGCAG					60
	TNTTTCCATC CAGCGGGCAA	CGCTGCTCGG	GCCCCAGGCA	CCCGGACCCT	GGGCATGN	118
35	000 to 40 0000					
	SEQ ID NO: 2523					
	SEQUENCE LENGTH: 117 SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	acid				
40	CLONE: HUMGS02897					
	SEQUENCE DESCRIPTION:					
	GATCTAGTCC GGACTTGCTG	TCTATATTCT	******	CAAAAACAA	CCCCCCTTTC	en.
	TATTATAGTC ATGCGGTCTT					
	INTIMINUTE MINCHUILLI	MINIMIUMIN	AAUAUIIUAA	IMMITTERCE	ICAUAAA	117
45	SEQ ID NO:2524					
	SEQUENCE LENGTH: 116					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	GOIG				
50	CLONE: HUMGS02898					

	SEQUENCE DESCRIPTION:					
	GATCGTNATT NAGAATCCAT		CTGCGATGGC	CAAGGCTGTT	TAACCNACAC	60
	TGGGTTGGAA ACACTTGGGC					116
	IOUUIIUUAA AOAOIIUUU	TOTOTOATINA	·	TOTATTICAN	ICIAAA	110
5	SEQ ID NO:2525					
	SEQUENCE LENGTH: 116					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	ac. u				
10	CLONE: HUNGS02899					
	SEQUENCE DESCRIPTION:					
	GATCCTTTGC NTTCAAGACT	AAGTTAATAG	AGAAGATGTT	TGTAACTNTG	GCCCAAGCTT	60
	GGNCTCCCAG TGTATTGAAG					116
	danorocona rarnirana	CIAACICCII	INAUAAGAC	CACICICATA	IAINAN	110
15	SEQ ID NO:2526					
	SEQUENCE LENGTH: 117					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	aciu				
20	CLONE: HUMGS02900					
	SEQUENCE DESCRIPTION:					
	GATCTCTGGG TAAAGAGGCC	GTTTATCTTT	GTAAACACGA	AACATTTTTC	CTTTCTCCAG	60
	TTTTCTGTTA ATGGCGAAAG					117
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1011101101111		Tunomat	11.
25	SEQ ID NO:2527					
	SEQUENCE LENGTH: 119					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	4014				
30	CLONE: HUMGS02901					
	SEQUENCE DESCRIPTION:					
	GATCTAGGAA GACTTTGGAA	AGAGTAGGAA	GACTTTGGAA	AGACTTTTCC	AACCCTCATC	60
	ACCAACGTCT GTGCCATTTT					
25						
35	SEQ ID NO:2528					
	SEQUENCE LENGTH: 115					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
40	CLONE: HUMGS02902					
	SEQUENCE DESCRIPTION:					
	GATCCCCAGG AGGCCTGGNC	CGCCCAGAGG	CTCCTCTCAG	GCTGGGCCCC	GACGTTTGCG	60
	NCAGTGTTCC TTGTGCCCGT	GGGGCCGGGA	GCNAGTAAAG	TCTGGGCCAG	GCAAA	115
45				•		
-	SEQ ID NO:2529					
	SEQUENCE LENGTH: 119					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
50	CLONE: HUMGS02903					

	SEQUENCE DESCRIPTION: GATCACGTTT CAGGGTCCTC CTCCTGTCAC TTGTCATGGT					
10	SEQ ID NO:2530 SEQUENCE LENGTH:114 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02904 SEQUENCE DESCRIPTION:	acid				
	GATCCCAGAA ATGTAGCTTG ATTTGCTGTT TTTNTTTTTC					60 114
15						
	SEQ ID NO:2531 SEQUENCE LENGTH:119 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS02905 SEQUENCE DESCRIPTION: GATCAGCCCC CAAAGAAATG					
25	TTCCAGGGCA AAAAGGGCCC	AUUUIIAIAA	TAAGTAAATA	ACTIGINIGI	ACAGCCAAA	119
25	SEQ ID NO:2532					
	SEQUENCE LENGTH: 113					
	SEQUENCE TYPE:nucleic	acid	•			
	TOPOLOGY: linear	acra				
30	CLONE: HUMGS02906					
	SEQUENCE DESCRIPTION:					
	GATCTTGGCT TCTCAACAGG	GCAAAGATAC	CAGGCCTNCT	GCTGAGGTCA	CTGCCACTTC	60
	TCACATNCTG CTTAAGGGAG	CACAAATAAA	GGTATTCGAT	TTTTAAAGAT	AAA	113
35						
	SEQ ID NO:2533					
	SEQUENCE LENGTH: 348					
	SEQUENCE TYPE: nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGS02907					
	SEQUENCE DESCRIPTION:					
	GATCAAAATG TTTGAAGAAA	GGAACTTTAT	TTTTGCAAGT	TACGTACAGT	TTTTATGCTT	60
	GAGATATTTC AACATGTTAT					
45	TAGCAGTTTA TGGGGAGCAC					
	CATTGAATGC AAACGTGTAT					
	TTGCCGCTAA GTGATATTTC					
	TTTTCACCAT TCATGAATAA					348
50			•			
	SEQ ID NO:2534					

5	SEQUENCE LENGTH:111 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02908 SEQUENCE DESCRIPTION:	acid				
	GATCTGATGG TTTTAAAAAT CATGGCCATG TAAGNAGTGC					60 111
10	SEQ ID NO:2535 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS02909 SEQUENCE DESCRIPTION: GATCCCAACA GGACAAATCT AGATTCTTCA TATGTATTTG				TGTACCAACT	60 110
20	SEQ ID NO:2536 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic TOPOLOGY:linear			OBBIOTORIA		110
25	CLONE: HUMGS02910 SEQUENCE DESCRIPTION: GATCCCCAAC TGCTCCAGCC TNTCTTGTGT AATGTAAACT				ATCGGCGGAC	60 110
30	SEQ ID NO:2537 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUMGS02911 SEQUENCE DESCRIPTION: GATCTGTTTG GAAAACATAG TNTNCAAATN GNTTCTTTTG				AAANACCCTT	60 110
40	SEQ ID NO:2538 SEQUENCE LENGTH:109 SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear CLONE:HUMGSO2912 SEQUENCE DESCRIPTION: GATCTTTTTA ACTCTACTGT		TGCTTTGTAC	AATGCCAAAC	CATAGTTGGA	60
50	GAAACTAAGT TTAATAAATA					109
50	SEQ ID NO:2539					

5	SEQUENCE LENGTH:109 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02913 SEQUENCE DESCRIPTION: GATCTCCCCC ACCCTTGGAT GTTTCTACTT GTAAATGTAA	TAGAGTTCCT		AACACATGTT	60 109
10	SEQ ID NO:2540 SEQUENCE LENGTH:109 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
	CLONE: HUMGS02914 SEQUENCE DESCRIPTION: GATCTCCTNT CCCTCACTCA AAAGACAGAA GACAGCATGA			CTTTGGNATG	60 109
20	SEQ ID NO:2541 SEQUENCE LENGTH:107 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02915	acid			
25	SEQUENCE DESCRIPTION: GATCTGTCAC TCAACTTGCT TTTTCCCATG CATGAAAAAT			TGTGCCTCAG	60 107
35	SEQ ID NO:2542 SEQUENCE LENGTH:112 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02916	acid	•		
	SEQUENCE DESCRIPTION: GATCAGTAAG GATTTCACCT CATTCTTTTT CTCTCCTTCC				60 112
40	SEQ ID NO:2543 SEQUENCE LENGTH:109 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
45	CLONE:HUMGS02917 SEQUENCE DESCRIPTION: GATCATAGAA GGTTGGGGTT TTCCCTACTT GCTGTATTCT			GATGTGGGAT	60 109
50	SEO ID NO-2544				

5	SEQUENCE LENGTH: 108 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS02919 SEQUENCE DESCRIPTION: GATCCAGGAG ATANTTTTT GGGGAGACAA ATNTNAGAAC	CATTCATCCT			AGCAACTNCT	60 108
10	SEQ ID NO:2545 SEQUENCE LENGTH:343 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS02920 SEQUENCE DESCRIPTION: GATCGAGCCC AGCGTACAAC					60
20	GGAACTTCCG CAGCGGGCCC TCCTGGGCAT CGTTGTCTGC GGAACAAGCG CTTCTACTGA CAATGTGAAC TTTTTTGGNT AACTGTTTCA AATAAAATGA	GCCGTGGTGG GTGGCGCCTC ACCGGGATTA	GGGCCGTGGT CGGCGGTGGC TAAANGAACA	GTTCCAGAAG CTGTCCCTGG ACAAGATGAC	CGGCAGGAGC GCCCAGGAGC	180 240
25	SEQ ID NO:2546 . SEQUENCE LENGTH:107 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02921	acid				
30	SEQUENCE DESCRIPTION: GATCCTGCCG TGCCCCCATC GTTCCCTTCA GCCAACCCGT				NNNTNCGCCT	60 107
35	SEQ ID NO:2547 SEQUENCE LENGTH:105 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02922	acid				
40	SEQUENCE DESCRIPTION: GATCACTGAA CCAGACACAG AAGATTTCAA TAAAACTNCC					60 105
45	SEQ ID NO:2548 SEQUENCE LENGTH:103 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02923	acid				
50 .	SEQUENCE DESCRIPTION:					•

	GATCCTGTGG GTTTAGTATC CTAAAGGAAG TTCATGTCAA			AGAGTAATAG	60 103
5	SEQ ID NO:2549 SEQUENCE LENGTH:104 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02924	acid			
	SEQUENCE DESCRIPTION: GATCCAGAGC TGGGGTGGAA TGCATGCACT GCATATNAAA			CGGTCAGTGC	60 104
15	SEQ ID NO:2550 SEQUENCE LENGTH:103 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
20	CLONE:HUMGS02925 SEQUENCE DESCRIPTION: GATCCCNAGG CTCTGTTCCA TTTGCTCTTA TAATTTTATT			AATGTAACTT	60 103
25	SEQ ID NO:2551 SEQUENCE LENGTH:102 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
30	CLONE: HUMGS02926 SEQUENCE DESCRIPTION: GATCGATGAG GCAGGTCAGT TGTAGTTTGA AACAGTAACT			CTAGTATTTT	60 102
35	SEQ ID NO:2552 SEQUENCE LENGTH:102 SEQUENCE TYPE:nucleic				
40	TOPOLOGY:linear CLONE:HUMGS02927 SEQUENCE DESCRIPTION: GATCATATCT AGTNTTNAAA GGACTCTAAA CTTTGGTTTA			CTCTGAAGAT	60 102
45	SEQ ID NO:2553 SEQUENCE LENGTH:101 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
50	CLONE: HUMGS02928 SEQUENCE DESCRIPTION:				

	GATCGAATGA GGGTTAAATO TAGTAAATNC TAAATAAATA				GCCTGGTACA	60 101
5	SEQ ID NO:2554 SEQUENCE LENGTH:390 SEQUENCE TYPE:nucleid	e acid				
10	TOPOLOGY:linear CLONE:HUMGS02929 SEQUENCE DESCRIPTION:					
	GATCCAGCTT ATTCTTTTAT	TTTCAAGTCC				
15	GAGACCTGGG TGGTGNCTGA GCTTNNTTNN TAGGTTTTAT ACAGACTGTG TGGCCAGTTG TGGAGGCAGG GCCTGAGANC	TTNNNNATGA AAAGTGTCTT	ATGTCCAAAT GGTTTGTGGT	CTGTGTTTCC TCATCTCTCC	CCCTGCCANA CTCATTTTCT	240 300
	TTTGGACATT AAAGGTTGAT		101001/1100	111110111100	<i>noadorrerr</i>	390
	SEQ ID NO:2555 SEQUENCE LENGTH:227 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGS02930 SEQUENCE DESCRIPTION: GATCTATCCT CAGCACTGCT ATCTCTAGCT GCCATTTGTG					
30	AATTGTATTA TATTTTTTGT TGTGAGCATT GAAATAAATC	ACTTATGTTT	TATGTAAATA	GTTTGTCTCA		
35	SEQ ID NO:2556 SEQUENCE LENGTH:106 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02931 SEQUENCE DESCRIPTION:	acid				
40	GATCTTCAAA AATAATGCCT ATTTGTGATA TATGTATTAA				TATTGTGAAC	60 106
45	SEQ ID NO:2557 SEQUENCE LENGTH:99 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02932	acid				
	SEQUENCE DESCRIPTION: GATCITICIT ACACAGTGAT AATTGATACT GTAATCAATA			TGGCTTTATG	AAATATTGTG	60 99

5	SEQ ID NO:2558 SEQUENCE LENGTH:98 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO2933 SEQUENCE DESCRIPTION:		
	GATCCTGGTT CCCTGTTTGG AAAATTCACC ACCTCTAG AACACGCTGT TGGTAATCTT ATTAATTATT TAACCAAA	CT CCTCACTGTT CTTTGTAATT	60 98
10			
	SEQ ID NO:2559 SEQUENCE LENGTH:97 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear		
15	CLONE: HUMGS02934 SEQUENCE DESCRIPTION:		
	GATCTGGGGA CCCTGACTGC ACAGAACAGT GGGCGCNT	ȚA CAGACCACCG ACCGCCCGAG	
	GGTGAATTAC ATCTTAATAA AGCTACTGTG AGAGAAA		97
20	SEQ ID NO:2560 SEQUENCE LENGTH:93 SEQUENCE TYPE:nucleic acid		
25	TOPOLOGY:linear CLONE:HUMGSO2935 SEQUENCE DESCRIPTION: GATCGCCGCC AACATCCAGG CTGACTACTT GTATCGGT	GA CGCCCCACCG GCCCGCAGCC	60
	CCTGCTGCCC AATAAAACCA CTCCGACCCC AAA	•	93
30			
35	SEQ ID NO:2561 SEQUENCE LENGTH:92 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02936		
	SEQUENCE DESCRIPTION: GATCATCCCT TGACAGTAGT TTGCTTTCAT CTCACCTTT TATTTAATAA AGTCCCCCCC NGTNGTCTCA AA	TC ATTTGTCCCA AANNCACCTA	60 92
40	CEO ID NO.OCCO		
45	SEQ ID NO:2562 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS02937 SEQUENCE DESCRIPTION:		
	GATCCACAAA ATGAGACAAT GCATGTGAAA ATCCATGCT	C ATGTTCTAAA CATGGAAACT	60
	AGGAGCCTAA TAAACTTCCT AATTCAGTAA A		91
F.A.			

5	SEQ ID NO:2563 SEQUENCE LENGTH:96 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02938 SEQUENCE DESCRIPTION:	acid				
10	GATCGTATTT TTATATCATA TTAATAAAAA AGGCAAGATA			ATTGGTGTTA	GATGACATGA	60 96
15	SEQ ID NO:2564 SEQUENCE LENGTH:88 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02940 SEQUENCE DESCRIPTION:					
20	GATCGCGCCA TCGCACTCTC AAAATAAAAT AAGTAAGNAA		ACAAGAGTGN	AACTCCATCT	CAAAAAAATA	60 88
25	SEQ ID NO:2565 SEQUENCE LENGTH:87 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02942 SEQUENCE DESCRIPTION: GATCTAATAT ATATCATCAG	AAAATATATA	TTGTATGTTT	ACTCTTATTT	TCAGAAAGAG	60
30	AAAATGAATA AAAATGATGA	CATCAAA				87
35	SEQ ID NO:2566 SEQUENCE LENGTH:87 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2944 SEQUENCE DESCRIPTION:					
40	GATCGCTTGA NCCCAGGAGT CAAAAAATAC AGAAATNAGC		CCCGAGGAAC	ATGGCGAAAC	CCCATCTTTA	60 87
45	SEQ ID NO:2567 SEQUENCE LENGTH:86 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO2946 SEQUENCE DESCRIPTION:	acid				
50	GATCTAAGGG GTTGCCATGG TGCCATGTAT GAAAGTNTCT		TGCAACTTTT	TATTTAAAAA	AGCTCTGCAC	60 86

5	SEQ ID NO:2568 SEQUENCE LENGTH:86 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO2947	
10	SEQUENCE DESCRIPTION: GATCCNGGAT TGCTGGGAAT GGAAGCCAGG TGGGGTCATG GCACAAGTTC TGTAATCTTC	60 86
	SEQ ID NO:2569 SEQUENCE LENGTH:85 SEQUENCE TYPE:nucleic acid	
15	- · · · · · · · · · · · · · · · · · · ·	60
20	GGGAACATGC CGCCTTCTCT CCAAA SEQ ID NO:2570 SEQUENCE LENGTH:85	35
25	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02949 SEQUENCE DESCRIPTION:	
30	GATCAAATTG TACTAGTGTC TGCAGGGTTT GTCAGTACTC GTCAAAGCCA AGTCCAATTA 6 AAAAAAAAAG TCTTTGCCCT CCAAA 8	30 35
35	SEQ ID NO:2571 SEQUENCE LENGTH:85 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
		30 35
40	,	
45	SEQ ID NO:2572 SEQUENCE LENGTH:85 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02951 SEQUENCE DESCRIPTION:	
<u>.</u>		30 35

	SEQ ID NO:2573	
	SEQUENCE LENGTH:84	
	SEQUENCE TYPE: nucleic acid	
_	TOPOLOGY:linear	
5	CLONE: HUMGS02953	
	SEQUENCE DESCRIPTION:	
	GATCTGCCTG ATGGGAGGGC TCCTGTCGAG GGAGACAGAC ATATCCCCAC TGAAAAA	ATT 4 CO
	ATAAAATTGG TTTTACATAT CAAA	
10	AIDMAITED TITLEATHT CAAR	84
	SEQ ID NO:2574	
	SEQUENCE LENGTH:84	
	SEQUENCE TYPE: nucleic acid	
15	TOPOLOGY: linear	
	CLONE: HUMGS02955	
	SEQUENCE DESCRIPTION:	
	GATCTGACTG GAAAACAATC CTGTATCCCC TCCCAAAGAA TCATGGGCTT TTTTTTT	O6 NAM
	TTAAAAAGCA GACAAATAGA CAAA	84
20		
	SEQ ID NO:2575	
	SEQUENCE LENGTH: 82	
	SEQUENCE TYPE: nucleic acid	
25	TOPOLOGY: linear	
	CLONE: HUMGS02957	
	SEQUENCE DESCRIPTION:	
	GATCAAAAGA AACTTAAAAA GTGGAATGGG ATATGGCTTT TGGTACCTGA AAATAAA	ATNC 60
	TTTAATAATT GTAAGCCAGA AA	82
30	•	
	SEQ ID NO:2576	
	SEQUENCE LENGTH: 82	
	SEQUENCE TYPE: nucleic acid	
05	TOPOLOGY: linear	
35	CLONE: HUMGS02958	
	SEQUENCE DESCRIPTION:	
	GATCAAAAAT ATAGTTATAA TTTTNTAAAT TTNAAAAATG TGATTGCNCT AATAAAG	AAT 60
	AAAANCTATG CTTTTAAACA AA	82
40		-
	SEQ ID NO:2577	
	SEQUENCE LENGTH: 85	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
45	CLONE: HUMGS02959	
	SEQUENCE DESCRIPTION:	
	GATCACTGCA GNTTCTAGGA CCCGGTTTCT TTTACTGATT TAAAAACAAA ACAAAAA	AAA 60
	ATAAAAAAGT TGTGCCTGNN ACAAA	85
50		93

	SEQ ID NO:2578 SEQUENCE LENGTH:81 SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY:linear CLONE:HUMGS02960 SEQUENCE DESCRIPTION:					
	GATCTCCCAT AATTTGAAAT TNAAAGGACA GAAACCTTAA		TTGTGTGGCT	CTGTATATTC	TGTTAAAAAA	60 81
10						
	SEQ ID NO:2579					
	SEQUENCE LENGTH: 79					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY:linear					
	CLONE: HUMGS02962					
	SEQUENCE DESCRIPTION:					
	GATCCACCAT CTTATCTTGG	TGCCATCCCT	GACTTGGCTT	CTGTTCATAA	ATGCCTATTA	60
20	AATGTTTCTT TCTGAGAAA					79
	SEQ ID NO:2580 SEQUENCE LENGTH:79					
	SEQUENCE TYPE:nucleic	ani d				
	TOPOLOGY: linear	aciu				
25	CLONE: HUMGS02963					
	SEQUENCE DESCRIPTION:					
	GATCCAATTG CTGGTTACAT	TTTGGGAAGC	TCTCATTTTA	GTGCTATGTA	GTTTCATTGA	60
	ATAAACTGTT TAATATAAA	TTTGGGMMGC	1010/11111	010011110111	011101	79
30						-
	SEQ ID NO:2581					
	SEQUENCE LENGTH: 75					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY: linear					
	CLONE: HUMGS02964					
	SEQUENCE DESCRIPTION:					
	GATCTAAGAG GAAAGTGGTT	ATCGGTTGCN	NTTTATTTAT	AAAGGATGCA	AACATAAAAT	60
	TAGATTTTTG GCAAA					75
40						
	SEQ ID NO:2582					
	SEQUENCE LENGTH: 73	.,				
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY: linear					
	CLONE: HUMGS02965					
	SEQUENCE DESCRIPTION: GATCAGCCTT TTTGTTTCAA	TOLCOTOTOO	AACTGGCCCT	ATTTACATCA	TAAAGAGACA	60
	GTGATATTGG AAA	IUAUUIUICC	AACTUUCCCI	VITIVOVION	INVANAUNCE	73
50	ATAUTATION VVV					

5	SEQ ID NO:2583 SEQUENCE LENGTH:72 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02966	acid				
10	SEQUENCE DESCRIPTION: GATCCCAGAG TGGCCTGCCT CATTTCTTTA AA	ATCACAACCA	CATCCCTTCC	CCCCACAAGG	CAATAAATCT	60 72
,,	SEQ ID NO:2584					
	SEQUENCE LENGTH: 72					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY:linear					
	CLONE: HUMGS02967 SEQUENCE DESCRIPTION:					
	GATCAACGAC AAAATGCACT	TCTCCCTCAA	GNAGTGAGGC	TTGGTCCAAT	ACATGGCTCT	60
	GCCCCCAGA AA	•				72
20						
	SEQ ID NO:2585 SEQUENCE LENGTH:72					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear					
20	CLONE: HUMGS02968					
	SEQUENCE DESCRIPTION:		444mmammam	00000000		
	GATCAATCTT GTATTTCTG GCTCTCCTCA AA	ACCACATAAA	GGCTTCTTCT	CITIGIAAIA	AAUTAUAAAA	60 72
30	20101001011 121					
	SEQ ID NO:2586					
	SEQUENCE LENGTH: 166					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE: HUMGS02969					
	SEQUENCE DESCRIPTION:					
	GATCTTGTTT CTGAAGATGG					60
40	AAAATGTTTT TATATTTGGC				TGTCACCAAT	
40	CATCACTGGT TCCTCCTTAA	AAATTAAAAA	GTAACTTCTG	TGTAAA		166
	SEQ ID NO:2587					
	SEQUENCE LENGTH: 71					
45	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS02970					
	SEQUENCE DESCRIPTION:					
	GATCATAGGA GAGACCCATT	NGCTAGCTAC	TTCATTCGTT	CTGACCTAAT	AATAAAAGTT	60
50						

	AGAACCATAA A	71
5	SEQ ID NO:2588 SEQUENCE LENGTH:72 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	CLONE:HUMGS02971 SEQUENCE DESCRIPTION: GATCTGACGT TCCTTGTGAC TTAAGGGTCC GGCTTGGGAA TTAAAGTTTG TTTCTGGCCT TTAGCCTACA AA	60 72
15	SEQ ID NO:2589 SEQUENCE LENGTH:70 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
20	CLONE: HUMGS02972 SEQUENCE DESCRIPTION: GATCTGGCCA GTCAAGGGTC CACAGGGTGC CAGCCTCTCA CCCTCAGAAT AAAGACATCA GCCATTCAAA	60 70
25	SEQ ID NO:2590 SEQUENCE LENGTH:69 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
30	CLONE:HUMGS02973 SEQUENCE DESCRIPTION: GATCATCTAA ACTGAGTCCA GCTGCCTAAT TCTGAATATA TATATATATA TATATCTTTT CACCATAAA	60 69
35	SEQ ID NO:2591 SEQUENCE LENGTH:68 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40	CLONE: HUMGS02974 SEQUENCE DESCRIPTION: GATCCTTATT ACAGGAAAAG CATGAGTGGT GGCTAACCTG ACCAATAAAG TTATTTTATG ATTGCAAA	60 68
45	SEQ ID NO:2592 SEQUENCE LENGTH:68 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02975	
50	SEQUENCE DESCRIPTION: GATCTTAGAT TTTATGTAGT ATTAAGTGAA AAAATACGAA AATAATAAAC ATTGAAGAAA	60

	AAAATAAA		•			68
5	SEQ ID NO:2593 SEQUENCE LENGTH:75 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS02976 SEQUENCE DESCRIPTION: GATCACATTT TCTGTTGGTT TGTGTAAAAA GGAAA	AACATTNTTC	CTAGCTTATA	TGATGGAATT	AAATATATTC	60 75
15	SEQ ID NO:2594 SEQUENCE LENGTH:67 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS02978 SEQUENCE DESCRIPTION: GATCCACCTA ACAAGAAACC TTTTTTN	TAAAGTGTAG	AGATTGCCAT	TTTNATTTGT	AATTTTTTT	60 67
25	SEQ ID NO:2595 SEQUENCE LENGTH:66 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE:HUMGS02980 SEQUENCE DESCRIPTION: GATCACACAC CGGCTGTATT ATTAAA	TAATATGTAA	CATTTTCACA	NATATTAAAG	ANACAGAAGT	60 66
35	SEQ ID NO:2596 SEQUENCE LENGTH:65 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE:HUMGS02981 SEQUENCE DESCRIPTION: GATCAGCATG GGCCACGTAG GCAAA	NCGNGACTCC	ATCTCTACAC	ATAAATAAAA	AATTAGCTGG	60 65
45	SEQ ID NO:2597 SEQUENCE LENGTH:63 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE:HUMGS02982 SEQUENCE DESCRIPTION: GATCCAATTT ATGTTTTTTC	TTTNTTTATA	TTTTGGGGAA	AATTAAAATT	TTTTTAAGGT	60

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	AAA	63
5	SEQ ID NO:2598 SEQUENCE LENGTH:61 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	CLONE:HUMGS02983 SEQUENCE DESCRIPTION: GATCACGCAA TAATGACTAT GTAATCTCAA AAAACAAATA AAATATTCTT AACATGGCAA A	60 61
15	SEQ ID NO:2599 SEQUENCE LENGTH:60 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
20	CLONE:HUMGS02984 SEQUENCE DESCRIPTION: GATCCAAGCA GTGTGTCACT ATATAACTGA TAAAAGCACT TGGTCTTNGA TTATCAGAAA	60
25	SEQ ID NO:2600 SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
30	CLONE: HUMGS02985 SEQUENCE DESCRIPTION: GATCATTTTG CACATAGCTT TATCAACTTT TAAACATTAA TAAACTGATT TTTTTAAA	58
35	SEQ ID NO:2601 SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS02986	
40	SEQUENCE DESCRIPTION: GATCTTTGCA GTTTTGNGAC AATTACAAGT AAAGCTGCTA TAAACATTTG TATGCAAA SEQ ID NO:2602	58
	SEQUENCE LENGTH: 74 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear	
45	CLONE:HUMGS02987 SEQUENCE DESCRIPTION: GATCGACACG CAGCTAGCCT CCTGCATTGT ATGGTTATAA ATAGCACCCT AGTGAGTNCT GTCGTCCAGT CAAA	60 74
50	SEQ ID NO:2603	

5	SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02988 SEQUENCE DESCRIPTION: GATCCTGGGG CAACCCATCT	acid GGTCTCTTGA ATAAAGGTCA AAGCTGGATT CTCGCAAA	58
10	SEQ ID NO:2604 SEQUENCE LENGTH:56 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02989	acid	
15	SEQUENCE DESCRIPTION: GATCACGTTT CGTGTTCATA	CTCAACGTTA ATAAAAGGAG AGAGTTTGTA GTGAAA	56
20	SEQ ID NO:2605 SEQUENCE LENGTH:55 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02990	acid .	
25	SEQUENCE DESCRIPTION: GATCGCTGTG CCTGGCATAT	AGTAGGTGTT CAATAAATGC CCTGTGACTC TCAAA	55
30	SEQ ID NO:2606 SEQUENCE LENGTH:59 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS02991 SEQUENCE DESCRIPTION:		£0.
35	SEQ ID NO:2607	AGAAAAAGG AATAAAATAT CCTTTGTTTC CTAGTGAAA	59
40	SEQUENCE LENGTH:54 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid	
~ ∪	CLONE:HUMGS02992 SEQUENCE DESCRIPTION: GATCCATTTT AAAATTTGTA	ATTCAATAAA GTTTTTTTTG TTGTTAAACA TAAA	54
45	SEQ ID NO:2608 SEQUENCE LENGTH:53 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid .	
50	CLONE: HUMGS02993 SEQUENCE DESCRIPTION:		

	GATCTTGTAT TCAGTCAGGT TAA	AAACAACG GACAATAAAA	GAATGAACAC AAA	53
5	SEQ ID NO:2609 SEQUENCE LENGTH:52 SEQUENCE TYPE:nucleic aci TOPOLOGY:linear	i d		
10	CLONE:HUMGS02994 SEQUENCE DESCRIPTION: GATCTGGGGT GGGAGTAACA GGG	GCAGAAAT GATTAAAATG	TTTGAGCACA AA	52
15	SEQ ID NO:2610 SEQUENCE LENGTH:52 SEQUENCE TYPE:nucleic aci TOPOLOGY:linear CLONE:HUMGSO2995	i d		
20	SEQUENCE DESCRIPTION: GATCCTTTTT TTTTTCCACA AAA	ATTTTTAC AAATAAAAAA	TGTTCCCCTA AA	52
25	SEQ ID NO:2611 SEQUENCE LENGTH:52 SEQUENCE TYPE:nucleic aci TOPOLOGY:linear CLONE:HUMGSO2996 SEQUENCE DESCRIPTION:	i d		
30	GATCTCAAAG TGCCTTCTGA AGC	CATCAGAG ATTAAATATT	GTTCAAACTA AA	52
35	SEQ ID NO:2612 SEQUENCE LENGTH:53 SEQUENCE TYPE:nucleic aci TOPOLOGY:linear CLONE:HUMGSO2997 SEQUENCE DESCRIPTION: GATCTGAATG GGGCTTNCCT GAT		ACCCCTATAC ATN	53
40	SEQ ID NO:2613 SEQUENCE LENGTH:50	IGIIGGIA ICIAAGGCII	AUGCETATAG ATM	00
45	SEQUENCE TYPE: nucleic ac: TOPOLOGY: linear CLONE: HUMGS02999 SEQUENCE DESCRIPTION: GATCTTGAAT GTATTTTCTT AAG		TCACAATAAA	50
50	SEQ ID NO:2614 SEQUENCE LENGTH:50	.; d		

5	TOPOLOGY:linear CLONE:HUMGS03002 SEQUENCE DESCRIPTION: GATCTATCTG GAAAATGNAG	GACTCCGAAT	AAAAAGCTAT	ТАСТААТААА		50
10	SEQ ID NO:2615 SEQUENCE LENGTH:51 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03005 SEQUENCE DESCRIPTION:	acid				
15	GATCAGGGGA AATNTTTAAG	CTAAATAAAT	CTGGGGGGTT	TTTTATTCAA	A	51
20	SEQ ID NO:2616 SEQUENCE LENGTH:165 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03028 SEQUENCE DESCRIPTION:	acid .				
25	GATCGAATGG TATATATTAG ACATGGTTGA NTTTTTCAAG ATGGCAATCT CTGAAAGATG	CAAAAATCAG	TTCATCTTTT	GATGTAATTT		
30	SEQ ID NO:2617 SEQUENCE LENGTH:254 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03030 SEQUENCE DESCRIPTION:	acid				
35	GATCACATTT TAAGCATCTN TGTGGTCTCA GTGTTAACGG ACACTACTGA ACGAGCTCTG AATTCCTTGA NGTCCAGGTT CCGTCGTGGC CAAA	GATAATTCTG GCTGGTCCTT	CTACCGGCTC TCTATCCTGG	CTCCCTGATG ATGTGGTTCT	ATTCTNAAAT TCTGTGTAGC	120 180
40						
45	SEQ ID NO:2618 SEQUENCE LENGTH:271 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03031 SEQUENCE DESCRIPTION:	acid			·	
	GATCAACCCC AGACTGGGCC	AGAATGTTAG	TGAAGGTTTT	ATTGTGCCCG	GTTGGAGGAT	60
	AACGTTCTTT GGGTACTTTT					
50	TGGTGTAAAT CAAGCTTGAC					
	GCAGCTGCTC ATACTGCAGT	CAATTACTGG	AAGCGGATAT	ATTICCTATG	LAAAAACTGT	2.40

	TTAAACAATA AAATGAGCTA	TGCTACAGAA	A			271
	SEQ ID NO:2619					
5	SEQUENCE LENGTH: 489					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03053					
	SEQUENCE DESCRIPTION:					
10	GATCCACAGC TTAAAGATGG	GAATTCAGGT	ATGAAAGAAA	ACAGGCAAGG	AGGCACTGAG	60
	GGAGAAAGAC ACAGACTTTA	TCGCTCTGTG	GCTCATTGTT	ACTGGAATAT	NCTAAAACTC	120
	TTGTNCACAT GCTATTATGA	CTTATAAAGC	AGCAACAGCT	GAGGCGCACC	AGGACACAGC	180
	TTCCATTTCT TTAACGTCTG	TNCCCTTAAC	ATCGCTGAAA	TNATTTACTG	TTGAAGAGAT	240
15	GCCTTGCGGT GTGGCCAGCT	GTGAGGAGAA	AGCAGCTGGC	AGTGTTAGGA	CATTAGTCCA	300
	CCTTCAGCGC AGGGTCTCTG	GCCGGGTCTG	ACTCAGAAAC	CTTGGTACTC	GNCCCTTGGN	360
	CACAGTGCCC AGACCCATGT	AACCNACTNG	NTCCTGCATT	AACCNAGAAA	TACCTCGGTT	420
	CTATNTGTGC ACTTAGCTGG	GGACTTACCC	ACTGTAATCA	CCTNAATNAA	NGGGTTNTAA	480
	ACATGGAAA					489
20						
	SEQ ID NO:2620					
	SEQUENCE LENGTH: 471	•				
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear					
	CLONE: HUMGS03055					
	SEQUENCE DESCRIPTION:					
	GATCCAAAAC GCTTCGAGGC	ACCCCAAATN	ACCTGCCCAT	TCGTNAGGAN	GACCCACCCA	60
	CCCAGTGTTA TATTCTGCCT	CGCCGGAGTG	GGTGTNCCCG	GGGGCACTTG	CCGACCAGCC	120
30	CCTTGCGTCC CCAGGTTTGC	AGCTCTCCCC	TGGGCCACTA	ACCATCCTGG	CCCGGGCTGC	180
	CTGTNTGACC TCCGTGCCTA	GTCGTGGCTC	TCCATCTTGT	CTCCTCCCCG	TGTCCCCAAT	240
	GTNTTCAGTG GGGGGCCCCC	TCTTGGGTCC	CCTCCTCTGC	CATCACCTGA	AGACCNCCAC	300
	GGCAAANACT GAATGTAANC	TGTGNCTGNN	GNCTCGGTCC	AACTTGCGGN	CCGTGTTTNA	360
35	CTNAACTNAG CTCCTTTAAC	•				420
	TTTAACCTTG GTAACGGTTG	AAATCCAATT	AAAGNTTTAA	AAGTCATGAA	A	471
	SEQ ID NO:2621					
•	SEQUENCE LENGTH: 435					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03056	•				
	SEQUENCE DESCRIPTION:	•				
45	GATCACCATT AAATCTGAAA	GTACCTTTAA	AAATACTGAG	ATTNCCTTCA	TACTGGGCCA	60
	GGNATTTNAC GAAGNACCTG	CAGATGACAG	GAAAGTCAAG	AGCACCATAA	CCTTAGATGG	120
	GGGTGTCCTG GTACATGTNC	AGAAATGGGA	TGGAAAATCA	ACCACCATAA	AGAGAAAACG	180
	AGAGGNTGAT AAACTGGTGG	TGGAATGCNT	CATGAAAGGC	GTCACTTCCA	CGAGAGTTTA	240
	TGAGAGAGCA TAAGCCAAGG	GACGTTGACC	TGGACTGAAG	TTCGCATTGA	ACTCTACAAC	300
50	ATTNICTOR NIATATIOTE					

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ATTNTGTGGG NTATATTGTT CAAAAAGNTA TTGTNGTTTT CCATGGATTT AGCAAGCAAC 360

	TAATTTTNTC CCAAGCTNGN	TTTTTTTCAA	TANTGGTNAC	GTTGGNTAAA	TAAANNTTTT	420
	TTTAGGNTTT TNAAA					435
5	SEQ ID NO: 2622					
	SEQUENCE LENGTH: 411					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03058					
10	SEQUENCE DESCRIPTION:					
	GATCTCATCA GGGGAAGGCT	CTGTGATGCT	GCAGGTTGAT	GTAGACACAG	TAAAAGGAGG	60
	GCTGAAGTTG AACCCCAACT	NNCTGGTGGA	CTTCGGGAAG	GAGCCCCTTG	GCCCAGCCCT	120
	TGCCCATGAG CTCCGCTACC	CTGGGGGCGA	TTGTAGCTCT	GACATCTGGA	TTTGAACTCC	180
15	ACCCTCATCA CCCACACTCC	CTATTTTGGG	CCCTCACTTC	CTTGGGGACC	TGGCTTCATT	240
	CTGCTCTCTC TTGGCACCCG	ACCCTTGGCA	GCATGTACCA	CACAGCCAAG	CTGAGACTGT	300
	GGCAATGTGT TGAGTCATAT	ACATTTACTG	ACCACTGTTG	CTTGTTGCTC	ACTGTGCTGC	360
	TTTTCCATGA GCTCNTTGAG	GCACCAAGAA	ATAAACTNGT	AACCCTGTAA	A	411
0.	•					
20	SEQ ID NO:2623					
	SEQUENCE LENGTH: 410					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
25	CLONE: HUMGS03059					
	SEQUENCE DESCRIPTION:					
	GATCCAGGCG GGATGGAGTG	TGGAGTGTGG	GCACAGTGGC	TTGTACAGGC	CTGGNCTGGG	60
	CAGACTTGCC CCGGAGTCTC	AGGCCACTGC	GGAAGGAGGA	CGCGTGGCCA	GCAGGTGCCA	120
00	CCAGGAGAGG AGAGGAGGC	CAGGCTGAGC	TGCATCTNTG	GACTCCAAGG	AGAGCTTGGA	180
30	GAGGTGACTG AAACCCTGCC	CCACCCCCAG	CCTGTNTCCA	TCTGTGGGTC	CTTGGGCAAA	240
	TTGCCTCATC TCTCTNAGCC	TCGAATGCGT	AGTTTCAGGA	CTAACTAGGG	TACTGTGTAC	300
	CAACTGCCTC TGCCAACGGC	CCTGCACTGG	GCANGCCTGG	GGTACCTGGG	CTTTGGGGNA	360
	AGGAAGTAGG CCTTNGGNAG	GAGGCTGGAT	TGCTTACAAT	TTTNTTTTN		410
35						
	SEQ ID NO:2624					
	SEQUENCE LENGTH: 408					
	SEQUENCE TYPE: nucleic	acid				
40	TOPOLOGY:linear					
70	CLONE: HUMGS03060					
	SEQUENCE DESCRIPTION:					
	GATCTGCGGC CCATCTACAT					
	CTGCGGCAGG CATACACTGA					
45	CCGACATGGA GAGCAGCAAG					
	TGGACCAGGC CTACGCAGAG					
	GGACCGGCGC CTGAGGCTTG					
	CAGCAGCATT GAGCCACCCC				CTTGGCCAGC	
	ATGTTGGAGT TGGAGGAGAT	NCTTGCCCCT	GTTGGTTTGG	ACCATCCN		408

	SEQ ID NO:2625					
	SEQUENCE LENGTH: 398					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY: linear					
	CLONE: HUMGS03061					
	SEQUENCE DESCRIPTION:					
	GATCTCAACG AGACAAACGA	TGGGTGGACC	CGAACTCCCC	GGTGCTCTTN	GAGGACCCAG	60
	TCCTTTNTGC CTTGGCAAAA	AAGCACAAGC	GAACCCCAGC	CCTGATTGCC	CTGCGCTACC	120
10	AGCTGCAGCG TGGGGTTGTG	GTCCTGGCCA	AGAGCTACAA	TNAGCAGCGC	ATCAGACAGA	180
	ACGTGCAGGT TTTTNANTTC	CAGTTGACTG	CAGAGGACAT	GAAAGCCATA	GATGGCCTAG	240
	ACAGAAATCT CCACTATTTT	AACAGTGATA	GTTTTGCTAG	CCACCCTAAT	TATCCATATT	300
	CAGATGANTA TTANCATGGA	GGGCTTTGCC	TGATGGTNTA	CCAGAAGCCC	TGTGTGTGGN	360
15	TGGGTGACGC AGAGGGACGT	CTCTNTGCCG	GTGACTGN			398
	SEQ ID NO:2626					
	SEQUENCE LENGTH: 394					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear	•				
	CLONE: HUMGS03062					
	SEQUENCE DESCRIPTION:					
	GATCACAGCT GGGGGAAAAA	AAGCTTTTTA	ATTCTGTACC	TTCCTAGTAG	ATAAGTGAAG	60
25	AGCAGGGAAA GAGACCTTTA	AATATTTTNC	TATAAAAAA	TTTGTGATAA	GTTTCTATCA	120
	AAATGGGGAG ATTGCAGAAA					
	CAATATTAGT GCCATGTGCC	TTTCACACAG	GGTTTGCATT	TATCAGTCTG	TTTTCCGATG	240
	NNNNGGTACA TGAAAGAGTA	CACCATGTGA	AGAGAAGAGA	GAATGATTGA	AAATGTTTTA	300
00	GTATAGACCT CTTCTTGCAG	TGGGTTGCTA	TTTTCTAGAT	TTTACTTTTT	AGGGACCAAA	360
30	NTAAANTCCT TTGTTAAACN	TGGGTCAGNG	NAAA			394
	SEQ ID NO:2627					
	SEQUENCE LENGTH: 392					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03063					
	SEQUENCE DESCRIPTION:					
40	GATCGCACCA TTACACTCCA	GCCTGGGTGA	CAGAGAGAGA	CCCTGTGCCN	NTCAAAAAA	60
40	TGTTTTTTT AAACAAGAAT	CTCTCAGGCA	TACTGAAATN	TTGAAGAGGA	AATNATATTA	120
	ATATCTGGGA CTTGTTTCCA					
	AAAGAAACGA GGAGTTGGAA					
	TACTTCTGTA TATGTNGAAA					
45	CTTNCATTGT CTATCCTGTG			ATNNATACAT	AANGGGTCTT	
	CAACCTTNAN NTGGTCTTAT	CCANGGCATA	NN			392
	SEQ ID NO:2628					
50	SEQUENCE LENGTH: 385					
50	SEQUENCE TYPE:nucleic	acid				

	TOPOLOGY: linear					
	CLONE: HUMGS 03064					
	SEQUENCE DESCRIPTION:					
	GATCTGTAAT NATCTCTATT	GGCCTGGGGT	GCCTGTGCTA	TAAATAAGTT	TCTTCACATG	60
5	AAAAACACAG CCAGCCCAAG					
	TGCTTATNAC ATGAGCAATT					
	CACGCTGTAT ACCTAGATGA					
	TAAGGATTTT AAATAACTGC					
10	AAAAATTTGA AAGCTTTGGA	AAACCAAATT	TGTAATATCA	TTGTATTTTT	NATTAAAAGT	360
	TTTGTAATAA ATTTCTAAAT	TTAAA				385
	SEQ ID NO:2629					
15	SEQUENCE LENGTH: 385					
70	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03065					
	SEQUENCE DESCRIPTION:					
20	GATCGGGGCC CTGGGGCTGT	NAGACCCCGA	CCNTCTCGAG	GAACCCTGCC	TGAAACGCCT	60
	CCATTACCAC TGCGCAGTGA	GATGAGGGGA	CTCACAGTTG	CCAAGAGGGG	TCTTTGCCGT	120
	GGGNNGGNTC GCCAGCCACT	CACCAGCTGC	ACTGAGAGGG	GAGGTTNGCA	CACCCCTCCC	180
	CTGGGCCGCT GAGGCCCGCG	CACCTGTGCC	TTAATCTTCC	CTCCCCTGTG	CTGCCCGAGC	240
25	ACCTNCCCCG CCCCTTTACT					
	TGGCCTGCTG AAATATGTGT		ATTTATTTTC	GNCAAAGCAC	ATGTAATAAA	
	TGCTGCAGNC CNGCCTNTGC	CCAAA				385
	CEO IN NO. CCOO					
30	SEQ ID NO:2630 SEQUENCE LENGTH:385					
30	SEQUENCE TYPE:nucleic	: 4				
	TOPOLOGY: linear	acid				
	CLONE: HUMGS03066					
	SEQUENCE DESCRIPTION:					
35	GATCCCGGGN AGTNACAGGT	GCCGACGTGA	TOTOGOTTOT	NTGGTGCCCA	GCTCCCTTCC	60
	TGGTCTNANA CTAGCTCTGG					
	GCCCGTNCTG CTGCTCTGTG					
	TGAGACCCGG AGGAGACGGG					
40	CCGTCCAGAC ACCTTGTTTC					
	GNTGAGCAAG AACTTTTTCT	TGTTTTTAAA	CCATCACGTC.	CTCATTTCAC	AATTGGAATA	360
	AAGTGAGTTT TTTGGAAACC	TGAAA				385
45	SEQ ID NO:2631					
	SEQUENCE LENGTH: 381					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03067					:
50	SEQUENCE DESCRIPTION:					
	•					

5	GATCGCAAGG AACTGGGCCG CCTACTACCC CGACCTGCCC ACCCCAGAAC AGCAGCAAGA 60 CATGGCCCAG ITCATACATT TATTTTCTAA GTTTTACCCC TGTAAGGAGT GTGCTGAAGA 120 CCTAAGAAAA AGGTTGTGCA GGAACCACCC AGACACCCGC ACCCGGGCAT GCTTCACACA 180 GTGGCTGTGC CCCNTGCACA ATGAAGTGAA CCGCAAGCTG GGCAAGCCTG ACTTCGACTG 240 CTCAAAAGTG GATGAGCGCT GGCGCGACGG CTGGAAGGAT GGCTCCTGTG ACTAGAGGGT 300 GGTCAGCCAG AGCTCATGGG ACAGCTAGCC AGGCATGGTT GGATAGGGGC AGGCCACTCA 360 TTAAAGTGCA TCACAGCCAA A 381
	SEQ ID NO:2632 SEQUENCE LENGTH:370 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
15	CLONE: HUMGS03068 SEQUENCE DESCRIPTION: GATCCGTAAG TCCATGACCA AGGAGGCCAT CCGAGAGCAC CANATGGCCC GCACTGGCGG 60 CACGAGACAG ACCTGTNCAC CTGCGGCAAG TGCAGGAAAA AGAACTGCAC CTACACACAG 120 GTGCAGACCC GCAGCTCTGA TGAGCCCATG ACCACCTTTN TTGTCTGCAA CGAGTGTGGA 180
20	AACCGCTGGA AGTTCTGCTG ACCCCTCGTG TAGATGTGCT GCAGCCTTGG GCCCTCCCCG 240 GCCCACGTCC TCCGTTGACA CAGCTTCTNT GGAGACCCTA GAAGGCGGCA TGTCCTGCCC 300 TCAACCTGCC TGCNTGGATT GCACCTTTCT GCCCTTTCCC CNTNATTATT AAATGTTTCT 360 TTTTGCCAAA 370
25	SEQ ID NO:2633 SEQUENCE LENGTH:344 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
30	CLONE:HUMGS03069 SEQUENCE DESCRIPTION: GATCTTCTTC AAGCCATTAT TTTAACTCAA GAAAACTCTA GAGAAGAAAA GTGAAGAAGT 60 CATGTTGAAG AAGATGTAAG AATGTGTCAA GACCATCCAG AAATNATATG AGAAATACTG 120
35	ATATTTTAAA TGGTTGACAT CATCCAGCGA AATGAATCTA CATTAAATGT TGTTTTAACT 180 GCGCTATGAT TAAAACCATT CATATAGAGT TAGTNTTTAC AACTACTATT CTGTTATTTT 240 TTTTTTAATC TGACAACATT TGTCCTAAGT AAGATAAGCA AAAAAATTCT TCAACTCCTT 300 TTGGCAAGAA AACTGTAACA GAAAATAANT TTTGAATGTG TACN 344
40	SEQ ID NO:2634 SEQUENCE LENGTH:341 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
45	CLONE:HUMGS03070 SEQUENCE DESCRIPTION: GATCCCTGGT CCAGAATTCC ATTTACCTTC TGGGCCAGAT ACCACCAGAA TGCCCGCTCC 60 ANATTCCCTC AGACCTTTGC CGGTCCCATT ATTGGTCCTG GTGGTACAGC CAGTGCCAAC 120 TTCGCTGCCA ACTTTGGTGC CATTGGTTTC TTCTGGGTTG AGTGAGATGT TGGATATTGC 180
50	TATCAATCGC AGTAGTCTTT CCCCTGTGTG AGGCTGAAGC CTCAGATTCC TTCTAAACAC 240

	AGCTATCTAG AGAGCCACAT TGTTCCTTGG GCTACTGNTT				ATTTATTTGC	300 341
5	SEQ ID NO:2635 SEQUENCE LENGTH:340 SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear CLONE:HUMGS03071 SEQUENCE DESCRIPTION:					
	GATCGNCAAG AAAATTNAGA CGAGGNGCAC CCCAAGCAAC GGGCAAGCGG GGCCATAAGC	ACGNETTEAA	GCAGGCCTTC	GCCAAGCCCA	AGGGCCCAGG	120
15	GGAGGCTGGA GCATNNGNCG GCCACCATCC TCCTTCCTGG GCTTGAACGC ACTTGCAGCG	GCTCCAGGAA	AGTNTTTCTG			
20	SEQ ID NO:2636 SEQUENCE LENGTH:335 SEQUENCE TYPE:pucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS03072 SEQUENCE DESCRIPTION:	acru				
	GATCTGTCTG CNTTCCTCAA CTGGAGCACT ATGCCCTGGA CTAGAGCAGG AGGAGCAGCA	GGATGACCCG	CTGGCGGCTT	TCAAACAGCG	GCAAAGCCGG	120
30	TTCCTTGGCT CCCTCACCAG CTCCTCAAAC TCAGTGCCTG CCACTTNTCC AATAAAGTAC	CCGCTTGTGG GGTCCAGGGC	CCTCGCTCCA CCCAGTGCTT	AACAGCCCTG	AACTCTGGGC	240
35	SEQ ID NO:2637 SEQUENCE LENGTH:332 SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGS03073 SEQUENCE DESCRIPTION: GATCCAGTTG TGAACAAAGA	CTCCTCTTNC	TCGAAAGAA	A A A A A T A C A T	NTCCCTTTAA	60
	ACGGTGGATT GAAAATAACT CANNAATCCT GTAGCGTGTA GATTTGAAGG CCATTGTGAA	TTNATTTATA ATAAAAGAAG	AAGAGAAGAC AGGAAATGGC	TGAGGGCGGG ATGGAATCAC	GATACTGATT TGCCTCCTGT	120 180
45	AGATATCATT GCATCACATT TATTAAAATA GCCTGTGCTA	TATTTATCTT	TCTGGNATTT			
	SEQ ID NO:2638 SEQUENCE LENGTH:335					
50	SEQUENCE TYPE: nucleic	acid				

5 10	TOPOLOGY:linear CLONE:HUMGSO3074 SEQUENCE DESCRIPTION: GATCAAGAAT TTGGTGTGGGA AAATCCCAAC AAAAAAAATT AGTGCAAGTG ACCGACAAAA TTTGACAAAG AAAAATGATA CTTTTNGTTT TATTTTTTTTTTTTTTTTTTTTTTTTTTTT	CGTTGGCCCT TAACTCCATA TTCCAGTTAT CTTCTCTTTT ACCAATTCCA	TGTGTTCCTC TTATTTCCAA TTNGCTGTTC ATTTCAAAAT	TTGTTCTAAT AATGTTTGGA CACCAANTAC	CTTGTCAACC AACAGTATAA AATTCAAATG	120 180 240
15	SEQ ID NO:2639 SEQUENCE LENGTH:384 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03075					
20	SEQUENCE DESCRIPTION: GATCAAGCCT GCCTCAATCA CCAAATTNAG CTAGGGGGGT CCCCAGCTCT ATCCCAACCT GGCACCCCCA GAATGACCTG CTTCTGGGAA GACTCTGGTC	GTATTCATAT CAGCCAGCCC CTCCCAACTA GCCGCAGTGA	TCTTCTGACA TAAAACTAGG GGCGGATTGA	CTAAAACACC TGCTGCAGCC GAAGGAGCTC	TCAGCTGCCT CCTGGGACCA CCAGGNGGGG	120 180 240
25	TTTTGTTTCT TCCTTTTTTA TTTGTTGGCT AATCANTCCC		GATAGGGAGG	GNAGGGGGGA	ACCATGAGCC	360 384
30	SEQ ID NO:2640 SEQUENCE LENGTH:352 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03077	acid			·	
· 35	SEQUENCE DESCRIPTION: GATCAAAGGT TTAAAGTCTA AGAGAGAGTT ATGCTACAAT AAACAGCTGT CAGAACCTCG AGAAAGTTTG CCAGGNAAAA NGNGGNAAGC TTACTTNGTT	NATTTCTTGG AGAGCAGANC AANNGGCATC	TTTCCACTTG ATGAGAAACT ATTATTACCA	CAATGGTTAA CAGAGCTCTG TCGATTCAGT	TTAAGTCCAA GACCGAAAGC GCCTGGTTAA	120 180 240
40	AANGGTTTCC CAATTCCTTC					352
45	SEQ ID NO:2641 SEQUENCE LENGTH:321 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03078 SEQUENCE DESCRIPTION:					
50	GATCAAACAG CTCTAAGTAT TCACATAAGT GAAGAAATCT					60 120

	GCAACCTTAA AGTTTTGAAG	AAGACTGATG	AGACTAGGTG	CNNNGCTTCC	TTTCATCAGG	180
	TATCTTTCTG TGGCATTTGA	GAACAGAAAC	CAAGAAACAT	GGTAATTNCT	AANTTATGAG	240
	GCTTTGCTTT TTGTTTGCTT	TTAAGTAGAA	AACCATGTTG	GCAACATTGA	GTTTTGGNGT	300
5	TGATTGAGAT AATATGNCTT	N				321
	SEQ ID NO:2642					
	SEQUENCE LENGTH: 320					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03079					
	SEQUENCE DESCRIPTION:					
	GATCTTTGGC TGGAAAACTA	GAATTTATAG	CAGTTTATTA	ATGATACCTT	AAATNACTCA	60
15	GGACTTAATG TAGCATTGCA	CTTCTGTGTA	CAGTAAAACT	GCTTTGTTTT	ACTAAAGAGA	120
	AAAATGTGAG TGGAAAAAAT	ATGTATGTGT	TATATACTCA	AATGTATATA	ATNCTATCTA	180
	TAGATTTATA TATGTATACA	TTCTGTACAG	TAGTTCCATC	AAAATATGTA	ATAATTCACA	240
	CCAATTTTAT TAAATGTATT	TNCTTTTTCA	TAAATTTAAAT	TGAGCTGCTA	TCAATATTAA	300
20	ATGAAGTTAT GGCATCTAAA					320
	SEQ ID NO:2643					
	SEQUENCE LENGTH: 303					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear	actu				
	CLONE: HUMGS03080					
	SEQUENCE DESCRIPTION:					
	GATCCCTTCG ATGTGGATTC	AGGGAGAGAG	TTTCGAAACC	CCAACAGGCC	TOTOGOATOO	60
	ACCCGGCTGC CCTCGGACAC					
30	GAGCGCGGAG GAGCCAGCAG					
	GAGGCCAGGG CCCCGGCTGA					
	TTGCAGACAC ATATATTTT					
	AAA	unducidudi	uncununnnn	TOTAUAUACA	IGAGGGACAI	303
35						505
	SEQ ID NO:2644					
	SEQUENCE LENGTH: 315					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	40.4				
40	CLONE: HUMGS03081					
	SEQUENCE DESCRIPTION:					
	GATCCAGACG CAAGANGGCT	GTCCTCTCTA	AGGAATATGG	TTTTTTNCTT	CTAACTGGTG	60
	CTGCCAGCTT TATAATGGTG					
45	ACAAAGTGGA GTATCCTATC					
	GCATTCAGCG AGCCCACCAG					
	CTGTTGGAGG TGTTTACCAC					
	GGACGAGTTC TTTAN					315
50	STO IN NO. 2245					
	SEQ ID NO:2645					

	SEQUENCE LENGTH: 314					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS03082					
	SEQUENCE DESCRIPTION:					
	GATCCTTCTT GGCCCCAGAA					
	TGGATAACTA CTGTGAAGCA					
	CGCTGAGCAC GGGGAAGATT					
10	GTCCTATGTA TCGAAAACAG					
	TTCTTAAAAN GNGTTTTCAA	TTTTTCTAA	TUNGAAUNGT	IGNCACIGAA	ATCTAAAATG	
	TTTANTTGTG NAAA					314
	SEQ ID NO:2646					
15	SEQUENCE LENGTH: 310					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	4014				
	CLONE: HUMGS03083					
20	SEQUENCE DESCRIPTION:					
	GATCACTGTG GACAGGGTGC	AGCTCTACCA	GTTCCTGTTT	CTNCTGAGCC	AGACCCTCTT	60
	CAGGGAAGGG ACCAATTAAT					
	TATAAAGTTC CTATTTCCAC	CCTGATACTT	CCAATTCCTG	GAACCCCAGC	CCACTCCNCC	180
	ATCCCTCCTC CCTATCAAAC	TAGTATAATG	ATTTTGAATC	GGTACAGTGT	GTTTAACTGT	240
25	AACTAAGTTC GACAGACTAT	TATTATCTTT	GTAATAAATT	AACCTAGCAA	TAAAAATTAT	300
	TCTGTNTAAA					310
	SEQ ID NO: 2647					
30	SEQUENCE LENGTH: 308					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03084					
35	SEQUENCE DESCRIPTION:					
	GATCTATTAA GCTTGANACA					60
	GAGTCAGCTG GTTCCCAAGC					
	AATCINCTIA TAGAATAACC					
	GTTTAATTTN CTATGTGCTT. AATACACAGT TCGTTTAGTT					
40	CCNACAAA	ACTUIACACT	CIGILIGIIC	AATAAACTUC	AIAICANCII	
	CONTORAL					308
	SEQ ID NO:2648					
	SEQUENCE LENGTH: 302					
45	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03085			•		
	SEQUENCE DESCRIPTION:					
50	GATCAGCAGC CCCTGAGCGG	AGAAGAGGAG	CTAGAGCCTG	AGGCCAGTGA	TGGTTCAGGC	60

	TCCTGGGAAG ATGCAGCTTT					
	GCTTCTGCCC CTGTCCTAGA	GACTCTGGGC	AGCTCTGAAC	CTGCTGGGGG	TGCTCTCCGA	180
	CAGCGCCCCA CCTGCTCTAG	TTCCTGAAGA	AAAGGGCAG	ACTCCTCACA	TTCCAGCACT	240
5	TTCCCACCTG ACTCCTCTCC	CCTCGTTTTT	CCTTCAATAA	ACTATTTTGT	GTCAGCTTCA	300
	AA					302
	SEQ ID NO:2649					
	SEQUENCE LENGTH: 302					
10	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03086					
	SEQUENCE DESCRIPTION:					
15	GATCAGCGAG CTACCANGAC	CAGAGACCAA	CTCAAGCTAC	AGCAGAAGNA	TTTTCCCAAG	60
	CCTGCTGACC ACAGTCACAT	CACCCATCAG	CACATGGAAG	GCCCCTGGTA	TGGACACTGA	120
	AAGGAAGGGC TGGTCCTGCC	CCTTTGAGGG	GGTGCAAACA	TGACTGGGAC	CTAAGAGCCA	180
	GAGGCTGTGT AGAGGCTCCT					
	TGTTGGAGTA GGGGCAGAGG	GAGGGAGCCA	AGGTCACTCC	AATAAAACAA	GCTCATGGCA	300
20	AA					302
	•••					
	SEQ ID NO:2650					
	SEQUENCE LENGTH: 303					
25	SEQUENCE TYPE: nucleio	e acid				
23	TOPOLOGY: linear					
	CLONE: HUMGS03087					
	SEQUENCE DESCRIPTION:					
	GATCCCAGCT GATGTAGACC		TACTTCATCC	CTGTNATCTG	ATGGGGTCCT	60
30	CACTGTGAAT GGACCAAGGA					
	TGAAGAGAAG CCTGCTGTCA					
	TTTTTTAAAA CAAGAAAGT1					
	CTTATTAATG CTAAGGGCAG					
	AAA	, 4000/11/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/	10,5,001,211			303
35	ALL:					
	SEQ ID NO:2651					
	SEQUENCE LENGTH: 296					
	SEQUENCE TYPE: nucleic	r acid				
40	TOPOLOGY: linear	. acru				
	CLONE: HUMGS03088					
	SEQUENCE DESCRIPTION	•				
	GATCTCAGCT GGAAGTTCT		ATTTCTGTNA	GACCCTGTAT	TTCAAATNTG	60
	CAGCTGAAAG GTGCTTGTAG					
45	GTGTGTAATG TGTACATCT					
	TATTCTCTGC ATGCATGTA					
						296
	CCTTTCCCCT TGCAGGGGT	ı uluCAUUIGI	UAAIAAUAU	טאמטטאאוואה	TIONA	£30
50	SEQ ID NO:2652					٠
	268 IN MO:7035					

	SEQUENCE LENGTH: 291					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS03089					
	SEQUENCE DESCRIPTION:					
	GATCTNACGG CCAGGCCTCT	NTCCTGCTGC	TGTTTTTAAT	TTTCCCAGGT	AGTGGGAGAG	60
	AGGAAAGGAG GGAAGGCAAG					
	AAGAGCAGAG CCTGAGAAGC					
10	GGGGCCTCCT CCTGGGCCTC					240
	TGAGGGAGAA CGTNTCACCC	AGNTTTNATC	ATGCTGGAAA	GAGTGTATGT	N	291
	SEQ ID NO:2653					
15	SEQUENCE LENGTH: 290					
,,	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03090					
	SEQUENCE DESCRIPTION:					
20	GATCTAAAGG GTGTAAAAAT	ATTGATACTT	CAATATTTCA	CTTGCTGCCA	GGAAAAACAA	60
	AATTCTCAAT CTTTTGTAAA	TGGGAGGAGG	ACTTTTGCAT	ACATTTTAC	TCTTTAAATA	120
	ACGACAACGA CACTTATACT	GTCATAATAA	CAATNATGTA	TTTCTTTGTG	GTTTTAATTT	180
	TTTTTGTAAT TTTACATAAA	ACAGTTATTT	TCTATTTTNA	CGCAGATAAA	TATTTGTGCA	240
25	TAAAATGTAA AAATAGTAAA	ATGAGAAAA	TAAAACTATT	ATACAGTAAA		290
	SEQ ID NO:2654					
	SEQUENCE LENGTH: 287					
	SEQUENCE TYPE:nucleic	acid ·				
30	TOPOLOGY:linear					
	CLONE: HUMGS03091					
	SEQUENCE DESCRIPTION:					
	GATCTGTCCT CAGCTCTGGA	CCCAATTCCC	CTTACTTCAT	TTTGGCAAAC	ACTAAGTCAA	60
35	ATAGTGAAAT GCCTGTCACT	ACATAGAACC	TATTACCTGG	GGCAAATACG	AACAGATTGA	120
	GTTTCCTTCA TCTTGTGTAA	ATATGATGAA	ACAGAGACCT	GGTAACTTGG	TGACACTGTT	180
	AAACCCTTTT NGGGATAAAG	CCAAATGTAA	ATGGAAACAT	TAAACAGATA	ANTTGTGGTG	240
	TTGAGACTTT TCTGAATTGA	GAAAAATAAA	TGTAATTTTG	GAAGAAA		287
40	SEQ ID NO:2655					
	SEQUENCE LENGTH: 287					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
45	CLONE: HUMGS03092					
.5	SEQUENCE DESCRIPTION:					
	GATCTGACCG GCTTCAAGCT	CAAGCCCTAC	GTGAGCTACC	TCGCCCCTNA	NGAGCGAGGA	60
	GACGCCCCTG ACGGCCGCGC	ACTCTTTCAG	CGAANCNGTG	GCGCCTGCCA	TCGAAAAGNA	120
	CTTCAAGGAC GGTACCTTCG	ACCCTGACAA	CCTGGAAAAG	TACGGCTTCG	AGCCCACACA	180
50	GGAGGGAAAG CTCTTCCAGC	TOTACCCCAG	GAACTTCCTG	CCCTANTEGE	CCCCCCACCC	240

	GCGGCCTGCC CTCATCTCAT	TTCTATTAAA	CGNCTTTGCC	AGCTAAA		287
5	SEQ ID NO:2656 SEQUENCE LENGTH:341 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS03094 SEQUENCE DESCRIPTION: GATCGTGGAG GAGGGACAAC CAACATCACC CGCAAGGTAA GCTTGGTGGA GCAGCTGCCT CGAACATCCT CGTGCTTACT CACCTTCTAC AAGTGCTGCA	CAAATCGGAA GGGAGANTGT TCATGCAGCT	GTACCCAAAA TGACTCTACT TCAGACCCGC	CTGAAAGAAG GCAGAGTCGT TCTGCAGATG	TGGATGATGT GTCCCAAATG AGCCGATGAC	180 240
15	NTGGCCCAGC TGCCCTNGTG SEQ ID NO:2657				Nodumental	341
	SEQUENCE LENGTH: 279				- 4	
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03095 SEQUENCE DESCRIPTION:	acid				
25	GATCCACAAG GTTGTCTGCT CCCCTGCAAA GAAGGGAGAG AGGAGGGGAA TAACCCTGCA AAGGTGCTGG AGTTGCCAAG	AAGATACCCA GAAAATGGAG TGAAGTGTGT	AAGGGAAAAA ATGCCAAAAC GCATTTTTGA	GGGAAAAGCT AGACCAGGCA	GATGCTGGCA CAGAAAGCTG	180 240
30	CTGTACAATT TCAAATACTA	TTTTTTATCA	AGTTTTAAA			279
35	SEQ ID NO:2658 SEQUENCE LENGTH:279 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03096 SEQUENCE DESCRIPTION:	acid .				
40	GATCTGAATG TNCAGTTCTA CTTTCTGTGC TTAACTATTT GAGATGACTA AAATTTGACA GATTAANGCA AGANGCCATT GTTAGTATAC ACTACACGTA	GGTGTTACÇT TAATGGTGTA TTCCCCATGA	TGTCTGTTTT AATGGATTGT CTTTGGTTTT	CATTTGTCTA NAAGGTAACT	AAATNCTGTA TTCAGTTGAN	120 180
45	SEQ ID NO:2659 SEQUENCE LENGTH:274 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03097	acid				
50	SEQUENCE DESCRIPTION:					

	GATCITINCT AAAGCAAGGC CITGAGCAAG TAGGITGCTG ICTCTAAGCC CCCTTCCCTT 60
	CCACTATNAG CTGCTGGCAG TGGGTTTNTA TTCGGTTCCC AGGGGTTGAG AGCATGCCTG 120
	TGGGAGTCAT GGACATGAAG GGATGCTGCA ATGTAGGAAG GAGAGCTCTT TGTGAATGTA 180
5	AGGTGTTGCT AAATATGTTA TTGTGGAAAG ATGAATGCAA TAGTAGGACT GCTGACATTT 240
	TGCAGAAAAT ACATTTTATT TAAAATCTCC TAAA 274
	SEQ 1D NO:2660
10	SEQUENCE LENGTH: 259
70	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS03098
	SEQUENCE DESCRIPTION:
15	GATCTGCCTG CNTTGGCCTC CCAAGGTGCT GGGATTACAG GTGTGAGCCA CCACCCCCAG 60
	CCGCCTCTAT GCTTTTGGNT TCTTTGATAT ATCTAAACTT AAGGTCAGAA CAGAAATTCA 120
	TGTGCTGAAC AGAATGGATT CTTTTTGCAG TACCAATCCA ATTGAATCCT CTTTTTATTT 180
	TCCTGCGTCC TTACCAGTCA CTTTGATAGT GCTAACTAAC CTACACTATG GGGGTTATTC 240
20	ATGANTTAAG- TATGATAAA 259
	SEQ ID NO:2661
	SEQUENCE LENGTH: 272
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
25	CLONE: HUMGSO3099
	SEQUENCE DESCRIPTION:
	GATCTGTGTT TGTAATACTG GTTGTAATTA ATTTTTTTAA TTCATGAACN AGCGGAAAAT 60
	TTATTAAATT AACTATTAAC CACATTCACC TTGTAAATGA CTGTATAAAA CTNGTNGACA 120
30	ATGCACTGAC TTTAGAAAGA TGTTAATGTG CATAANTNGA GTGTAAATAA NATAGTGTTG 180
	ATGTACTGAN ATATGACCTG TATAANNNGT ATTAGTAATT GTNTATGGGG TGTACCTGTT 240
	TATCTGTAAC TGTNATCCAA ACAAATNAAA TN 272
35	SEQ ID NO:2662
	SEQUENCE LENGTH: 270
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS03100
40	SEQUENCE DESCRIPTION:
	GATCTATCTG GNNTGTGCNT TAGACTNGAT GAGAAGGTGT GAACTCTGCA GAAAGTCTCT 60
	CCTTCATCAC TGAATTCAGT CACTTGGAGA TGACAACTTC AAATGCTAAC CCGATGACCC 120
	CAGAAAACCG TGTGAGATTC GTACCGAAGA ACCTTGTGGA ATCCCTTTNC TTAGGCCCAA 180
45	CCTGGTCGAT AGCTCGAGAA AGANTNTTTN CCAAGGAAAT GTCTCGGATA TGGGTACTGT 240
	ATTTGAAAGC TGTTAGCTTT GTCAACACGN 270
	SEQ ID NO:2663
50	SEQUENCE LENGTH: 268

	TOPOLOGY:linear CLONE:HUMGSO3101					
	SEQUENCE DESCRIPTION:					
5	GATCATGAAT CAAGCCCTGG		GACAAAAGCG	GATGAGTGAG	TTATATAAAC	60
	TTACTTCCAT TCTGTTTCGG					120
	TTGTTTTCCT TTTCATTGTT					
	GATTTCATTG AGTTGATTTT	TTGATAATCT	GCAATCTGGA	TAATTTGTAC	TGCTAAAGTT	240
	TTAATAAACT CGACATGAGA	AAAACAAA				268
10						
	SEQ ID NO:2664					
	SEQUENCE LENGTH: 267					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS03102					
	SEQUENCE DESCRIPTION:					
	GATCAAAATA GTAATAAATC					
•	AAATAAAAAT GGCTTAAATT					
20	ATAAATGGTA TAAATGCATT					
	AAATGGAATT ATTGGGTTAA	AGTACTTTTA	TTACATTTCT	TAATCCATTG	TTTTTACCTA	240
	ATAAAATTTC CTCCTCTATA	TTCCAAA				267
25	SEQ ID NO:2665					
	SEQUENCE LENGTH: 266					
	SEQUENCE TYPE:nucleio	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03103					
30	SEQUENCE DESCRIPTION:					
	GATCCGAATC TGTGCCCAGC					60
	TGCCATATTC TTGTTGGAGA					
	GGCCCAAAGA TGTCACCATT					
35	CTTTTTCTGA GATGGGACAC		TTGTCTTTTT	CCATGTAACT	TAAGCATAGT	
	AATATAAATA AAGTAATAG	TGGAAA				266
	SEQ ID NO:2666					
	SEQUENCE LENGTH: 265					
40	SEQUENCE TYPE:nucleio	c acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03104					
	SEQUENCE DESCRIPTION					
45	GATCCTCCCT GTCATGCCA					
	GATGTGCATT TTCACCTGA					
	GGACCACCTG GAATGTGTG					
	CTGGAATGGA AGCTTTAAA		TTTTNATTTT	GGAAGAATCA	TGTTACCTTT	
	TTGTTAAATA AAATTTGTA	C TCAAA				265

5	SEQ ID NO:2667 SEQUENCE LENGTH:303 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03105	acid				
10	SEQUENCE DESCRIPTION: GATCCAGTGT CCATGGAAAC AAAGCAGGGT TCCTCTGCCT TNCACCTATG TTTTTAAGTA TATGTGTTTG TAAACTTGTA TTGTAACTCC TGATTCTCCC AAA	GCAAACAAGC GTCAAACTTC TTTGTATTTA	CCACGTGGAC AAGAAACAAT GTAGGCTTCT	CAGTCTGAAT CTAAACAAGT ATATTGCATT	GTNTTTCCTT TTCTGTTGCA TANCTTGTTT	120 180 240
15						
20	SEQ ID NO:2668 SEQUENCE LENGTH:263 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03106 SEQUENCE DESCRIPTION:	acid .				
25	GATCAACCAA GGCAGATGTG CATNAGGGAG GGGCCCAAAG AGCCCTTAGT GCATTCAGGC GGACGTGCCC TCACCCCTCA AAGCCTTTCT GCAGCAGCTG	CCCTTGTGGG TAAGGCCCCT CTGGTCCACT	CGGACCTCCC GGGCAGGGAT	CTGAGCCTGT GCCACCNCTG	CTGAGGGGCC CTCCTTCGGA	180
30	SEQ ID NO:2669 SEQUENCE LENGTH:258 SEQUENCE TYPE:nucleic	anid				
35	TOPOLOGY:linear CLONE:HUMGSO3108 SEQUENCE DESCRIPTION: GATCTGGCCT AGGTCCCCCC		CCCCTGTNTT	TAAGTCGGGA	TTTTTACAGA	60
40	GGGAGCTGTC TCCAGACAGC GGCTAGTGGT ATTGTGTATA TTGTTTAGGG GTAAATAACA GGNGCNGACG TTCTTAAA	TGGGCGGGAC	GTGTGTGTCA	TTATNATTTG	AGTTATGCTG	180
45	SEQ ID NO:2670 SEQUENCE LENGTH:257 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03109 SEQUENCE DESCRIPTION:	acid				٠
50	GATCCACCCG CCTCGGCCTC TCAACTTTCT TTTGATTAGT					

	ATATCTATAT TATTGTATTT	AAAATGTGTT	TCTTACAGAC	TGCATGTAGT	TGGGTATAAT	180
	TTTNATCCAG TCTAAAAATA	TCTGTCTTTT	AATTGGNGTT	TAGACAATTT	ATATTTATA	240
	AAATGGNNGA ATTTAAA					257
5						
	SEQ ID NO:2671					
	SEQUENCE LENGTH: 257					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS03110					
	SEQUENCE DESCRIPTION:					
	GATCAGATGT NGCTCAGAAA	CTTTCATTGT	TTACCTAATA	ATTTAATATC	ACTAGTTTCC	60
	TAGTGGGTCA AGCAGATGCA					
15	GCTTATTTNA AAGTAAAANC					
75	GGTTTTGCCA TTGTNGAAAT					
	TTATGTTATA CATCAAA		ATATIOUNG			257
	TIMIGITATA CATCAAA					201
	SEQ ID NO:2672					
20	SEQUENCE LENGTH: 256					
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	actu				
	CLONE: HUMGS03111					
05	SEQUENCE DESCRIPTION:					
25	GATCAATTAC TGTCCTCACT	TACAACAAAC	CCTCACTCCC	A C A A T A T T T A	ምል ሞጥጥጥ ለ ር ር እ	60
·						
	ATATATGCCT GTTACAAGAG					
	ATTCAGAGTT TATTTATCGA	•				
30	GACATTCCTT ATACATGACA	GACACINGGC	INCATOGGAA	GAIGAIGITA	AIAAIAANNI	256
	GATTTTTAAN TGGAAA					236
	OPO ID NO. OCCO					
	SEQ ID NO:2673					
	SEQUENCE LENGTH: 256					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03112					
	SEQUENCE DESCRIPTION:			muu amam i am	*****************************	
40	GATCTGGAGA GGATTAGGGA					60
	GAGATGGCAT CTCCNGTGGT					
	NAGCTTTCAA TCCCATGGAG					
	CTACCTCTTG CATATTGTNG	CTAATGGTTC	TNGCCTTCTC	CTTCCAGACT	TGGGAAATAA	
	NTTTNAAAAT NGTAAA					256
45						
	SEQ ID NO:2674					
	SEQUENCE LENGTH: 433					
	SEQUENCE TYPE: nucleic	acid	•			
50	TOPOLOGY: linear					
50	CLONE - HIMCSOS115					

	SEQUENCE DESCI	RIPTION					
	GATCTACCTT GG		ACCCTGGTTG	CTTTGTGTCT	AGTTTTCTAG	ACCUTTCATO	60
	TCTTACTTGA TA						
5	AACTGCTGTG GC						
5	AGGATAAGAA ATA						
	CTCACAATTG TN						
	AAATCCATAG CAG						
	CINTGINATE TA						
10			AATGANTGIT	CCIddilica	Cddiddiiii		433
	NCNTTNANNT TT	Ŋ					100
	SEQ ID NO:267	<u> </u>					
	SEQUENCE LENG						
	SEQUENCE TYPE		aaid				
15	TOPOLOGY: line		aciu				
	CLONE: HUMGSO3						
	SEQUENCE DESC						
	GATCAGAAGA AA		*CTTTCCTCT	CCCCGAACA	CTCACACGGA	AGGGCTGGCC	60
20	GCCTCCCTGA GC						
	GGCTTCCCGC CA						
	TGTCCTGCTT TC						
	CAAAAACAAA	CAGCIGAA	CCCAAACTAC	AAGIGGGIII	AAAAAAAAA		250
	CAAAAACAAA						200
25	SEQ ID NO:267	6					
	SEQUENCE LENG						
	SEQUENCE TYPE		anid				
	TOPOLOGY: line		acru				
30	CLONE: HUMGS03						
	SEQUENCE DESC						
	GATCTGAAAA AG		TOOGGACTOO	TGACGCCGCC	AGTCCCGCGG	TGAGACGTGA	60
	GCNCCATTGG GT						
05	TAAAGGAGAC AA						
35	TTAATATACA GC						
	GGATAAN			2100			247
	ounium.						
	SEQ ID NO:267	7					
40	SEQUENCE LENG						
	SEQUENCE TYPE		acid				
	TOPOLOGY: line						
	CLONE: HUMGS 03						
45	SEQUENCE DESC						
70	GATCAAAACC AT		AAATGGTGAA	CCCTGTCTCT	ACTAAAAATA	CAAAAATTAG	60
	CTGGGCATAG TG						
	GCTTGAACCC AG						
	GGGCAACAGA GT						
50	ATCAN						245

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	SEQ ID NO:2678 SEQUENCE LENGTH:347					
	SEQUENCE TYPE:nucleic	acid .				
5	TOPOLOGY:linear					
	CLONE: HUMGS03119					
	SEQUENCE DESCRIPTION:					
	GATCAGCAGG GCTACCATCT					60
10	CACCAGATTT GCTGATGTAT					
	CTCAGNAATA CAGNAGGAAA					
	GTCCTGAATA ACCATGGTGG					
	AAGGNCTTCC AAAATGGCAG				AANIANIAIG	347
	GANNAAGTGN NATNTAGGNN	AIIIAUUIUU	ICCCINGUAL	INCCUM		341
15	SEQ ID NO:2679					
	SEQUENCE LENGTH: 242				·	
	SEQUENCE TYPE: nucleic	acid ·				
	TOPOLOGY: linear					
20	CLONE: HUMGS03120					
	SEQUENCE DESCRIPTION:					
	GATCTGGCCT GGAGAGGCCA	TCCTATACCC	CTTATTAGAG	CCATGACAGC	CTACAGAGTG	60
	AGGTGAGGTG CTCCCACCTT					
25	GAGGCTGCCA ATAGCCTCCT					
	TGGGGGTTCA TTCCTGGGGC	ACTGTGGCCT	GGTTTTGCTT	TGAAACCAAG	AAAGAGCAAA	
	GN					242
	SEO ID NO. 2000					
30	SEQ ID NO:2680 SEQUENCE LENGTH:411					
	SEQUENCE TYPE:nucleic	aaid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS03121					
35	SEQUENCE DESCRIPTION:					
55	GATCCCCAAC AATGTGAAAA	CGGCTGTCTG	TNACATCCCA	CCTCGGGGGC	TAAAAATNTC	60
	CGNCACCTTC ATTGGCAACA	GCACGGCCAT	CCAGGAGCTG	TTCAAGCGCA	TCTCCGAGCA	120
	GTTCACGGCC ATGTTCCGGC	GNAAGGCCTT	CCTGCACTGG	TACACGGGCG	AGGGNATGGA	180
	CGAGATGGAG TTCACCGAGG	CCGAGAGCAN	CATGAATGAC	CTGGTGTCCG	AGTACCAGCA	240
40	GTACCAGGAT GCCACAGCCG	AGNAGGAGGG	CGAGTTCGAG	GAGGAGGCTT	AGGAGGAGGT	300
	TGGCCTAGAG CCTTCAANTC	ACTGGGGAAA	AGCAGGGGAA	GCAGTGTNGA	ACTCTTTTAT	360
	TCACTTCCNA GNCTGGTCCN	NGTNGGNCTN	GTTCCCACTG	TGTGCAATTG	N	411
45	SEQ ID NO:2681					
45	SEQUENCE LENGTH: 240		•			
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE HUMGS03122					•

	SEQUENCE DESCRIPTION	:				
	GATCTGCGCA CGGTGCACA	G CCCACCAGAG	CACTACAGCC	TTTTATTGAG	TGGGGTGGGG	60
	CAAGTGCTGG GCTGTGGTC	G TGCCCTGACA	GCATCTTCCC	CAGGCAGCGG	CTCTGTGGAG	120
5	GAGGCCATAC TCCCCTAGT	r ggccactggg	GCCACCACCC	TGACCACCAC	TGTGCCCCTC	180
	ATTGTTACTA CCTTGTGAG	A TAAAAACTGA	TTAAACCTTT	GTGGCTGTGG	TTGGCTGAAA	240
	SEQ ID NO:2682					
40	SEQUENCE LENGTH: 237					
10	SEQUENCE TYPE: nuclei	c acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03123					
	SEQUENCE DESCRIPTION					
15	GATCACCTGG GGACAGAGG	T GAAAGGCCTG	CTGGGCCTGC	TGGAGGAGCT	GGCCTGGAAC	60
	CTGCCCCGG GACCCTTCA	G CCCCGCTCCC	GACCTTNTCG	GAGATGGCTT	CTNAGCCCTG	120
	GAGCTGGAGC CCAGCAGTT	G GAGGTGGTGC	ACCTGCCAGG	CAGCGCCCAC	AGAACCAGCC	180
	CTGTCCTCTC GACTTCCTT	CTTAGCTTCA	TGTGAAATAA	AAGCTATTCT	GGTCAAA	237
20		•				
20	SEQ ID NO:2683					
	SEQUENCE LENGTH: 236					
	SEQUENCE TYPE:nuclei	e acid				
	TOPOLOGY:linear					
25	CLONE: HUMGS03124					
	SEQUENCE DESCRIPTION					
	GATCGCCATG GTCATTCAC					
	TGATGATTTC CATATCTAT					
30	TTTGGCACAT GTGTGGAAA					
	AGTGTATTGA AAGCTTATG	G AATCCCTGAT	AACTAAACAT	CTTTGCCAGC	ATTAAA	236
	SEQ ID NO:2684					
	SEQUENCE LENGTH: 236					
25	SEQUENCE TYPE:nuclei	a acid				
35	TOPOLOGY: linear	aciu				
	CLONE: HUMGS03125					
	SEQUENCE DESCRIPTION					
	GATCACACAT ATCCTTCCT	•	TGACTAAAAT	GGAATATCTT	TTTAAGANCA	60
40	GCTCCTCTTT AACAAAAA					
	TGGGAACTTG AAAGACATT					
	AGATGCCATC TGAGGCTTC					
45	SEQ ID NO:2685					
	SEQUENCE LENGTH: 234					
•	SEQUENCE TYPE:nuclei	c acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03126					
50	SECHENCE DESCRIPTION					

	GATCAATCCC TCAAGATTTT	GAAATCCTGA	AGAAATTGAG	AAGTATGTTG	CTGAAATTGA	60
	AAANGAAAAA GAAGAAAACG	AAAAGAAGAA	ACAAAAGAAA	GCATCATGAT	GAATAAAATG	120
_	TCTTTGCTTG TAATTTTTAA	ATTCATATCA	ATCATGGATG	AGTCTCGATG	TGTAGGCCTT	180
5	TCCATTCCAT TTATTCACAC	TGAGTGTCCT	ACAATAAACT	TCCGTATTTT	TAAA	234
	SEQ ID NO:2686 SEQUENCE LENGTH:230					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGSO3127					
	SEQUENCE DESCRIPTION:	#0 # 0.00000		T. T. C.		
15	GATCTAGGCC TGGCAAGANC					60
	CTGGCCCTGG CCCTGGCATA					
	AAATATTCCC CAGGGAGACT				TCCCCCAGNC	
	CCACATCCCN TCTNGAAGAG	AAIGIAAAAI	AAACC I GUAC	ALADUUAAA		230
20	SEQ ID NO:2687	•			*	
20	SEQUENCE LENGTH: 232					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS03128					
25	SEQUENCE DESCRIPTION:					
	GATCCATGAG GTCCTAGCCC	CTGGCTGCCT	GGATGCNTTC	CCCCTGCTCT	CAGCATATNT	60
	GGGGCGCCTC ANTGCCCGGC					120
	CCTCCCCATC AATGGCAACG					
30	AGTTTGCTTT CCTTTCTCCA					232
	SEQ ID NO:2688					
	SEQUENCE LENGTH: 229					
35	SEQUENCE TYPE:nucleic	acid				
33	TOPOLOGY:linear					
	CLONE: HUMGS03129					
	SEQUENCE DESCRIPTION:					
	GATCACAAAA TGTNATAAAA					60
40	CCCCTTTAAA ATGTATTTNT					
	ACATAAGATG TGAGGTTCAC					
	ATTAGGAAAA GTAAAATCCA	AAATGTTAGC	AAAACAAAGT	GCAATATTN		229
	SEQ ID NO:2689					
45	SEQUENCE LENGTH: 223					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03131					
50	SEQUENCE DESCRIPTION:					
50	GATCCCATGC CCAGGTGTCC	AGCAGACCTC	AAGGCAGAAG	GGTCACCTAA	CCCAGGAGTC	60

	CACAGACTGA TGTGAC AGAAGTTTTC TGGATA CCTAGGGCCC TTGGCC	TGGC CAGGGTGGG1	GTNTGGCTAA	NTGGGCCTGA		
5	SEQ ID NO:2690 SEQUENCE LENGTH:2					
10	SEQUENCE TYPE:nuc TOPOLOGY:linear CLONE:HUMGSO3132 SEQUENCE DESCRIPT					
15	GATCCGCCCT GGAGAA GGGGGCTTCC NTTCTG AGCCGCCCTG CACTTG. TATGGGGTTT TTTGGA	GGTC TTGTCCGGGA ACCA CCAAAGCAAT	TATGGCCTTC CTCTAAGCTT	CTGAAGGTCT ATAAAGGAGA	TACCTCCCCC	120
20	SEQ ID NO:2691 SEQUENCE LENGTH:2. SEQUENCE TYPE:nuc TOPOLOGY:linear CLONE:HUMGSO3133					
25	SEQUENCE DESCRIPT GATCCACCTG CCTTGG TCTATATGTN ATTTCA. AATCAAATNA TTTCTG GAGGAAAGTN CTTTAG	CCTT CCAAGGTGTT AATN AGGTGGCCTT FCTC TATTTNNTTG	ATAAATATAA AGTACCAATT	GCAGATGGGT GTAAAANCTG	TTCTGGGCAA	120
30	SEQ ID NO:2692 SEQUENCE LENGTH:2 SEQUENCE TYPE:nuc TOPOLOGY:linear					
35	CLONE: HUMGSO3134 SEQUENCE DESCRIPT GATCTGCCCA CCTCAG CTAATTTTT AATTTT	CCTC TTGAGTAGC1				
40	CTCCCAAAGT GTTGGG CATCACTANC AAAATG	ATTA CAAGTGTGAG	TCACCGTGCC	TGGTCCCATG		
45	SEQ ID NO:2693 SEQUENCE LENGTH:2 SEQUENCE TYPE:nuc TOPOLOGY:linear					
50	CLONE:HUMGS03135 SEQUENCE DESCRIPT GATCTTTAAT AAAAAT GAGGATTACA ACAGGT	TTGA TATGAAAAG				

	AGANGTACAT GCTTTGTTGT TTACAGTCTT TGAAGTAAAA			TGAAAGATGT	ATCTGTTTAT	180 219
5	SEQ ID NO:2694 SEQUENCE LENGTH:219					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3136	acid				
10	SEQUENCE DESCRIPTION:					
	GATCTNGCCC CTGCGCTCTN	GCCTGGGTGA	CAGAGCAAGA	NTCTATCTNA	AAAATGTTTT	60
	TAAAAAATAC TTCCTAGGGA					120
	CCTCCTCTGC CCATGGGCCG	TGCTGCTCAG	CCTGCCATAC	TCGCTTGCTT	TGCTGTTTGG	180
15	NATTTGCCTC CAGAATAAAG	GTCCTTTTTG	TTGTTGAAA			219
	SEQ ID NO:2695					
	SEQUENCE LENGTH: 224					
20	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear					
	CLONE: HUMGS03138 SEQUENCE DESCRIPTION:					
	GATCCTAATC CCTTCCTCTC	CCATTCACCC	TGTGTAACAG	NACCCCAAGG	ACCTGCCTCC	60
25	CCGGAAGTGC CTTAACCTAG					
25	CTTCTCTAGT TTCCCCTCTC					
	GGTTTCGTCT ATTTATTAAA					224
	SEQ ID NO:2696					
30	SEQUENCE LENGTH:216					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03139	•				
35	SEQUENCE DESCRIPTION:	**********		TOTAL TT. + OC	1000011110	
	GATCAAAGTC TTAAGTGTGT CTGGTCTAAG TGCAAGGCAC					
	TATNATAAAC ATTTATTTAA					
	TCAACAATAA TCATTAAAAT			AAAATTTOOA	MAIGIAIGO	216
40						
	SEQ ID NO:2697					
	SEQUENCE LENGTH:216					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear					
	CLONE: HUMGS03140					
	SEQUENCE DESCRIPTION:	C & C T & T C T T C	<i>ተለጥ</i> ለጥጥ ለጥጥ ለ	TOTOTOTO	TCCTC TCCT	co
	GATCAAATTG TGTTTAGTAT CCCAGAATCT ACCAGTTTAT					
50	TCCATGATGT CCAATTTTGT					•

	GTAGNTTTTN ATCTNTACAA	NTTTAANTAA	AATNAN			216
5	SEQ ID NO:2698 SEQUENCE LENGTH:216 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS03141 SEQUENCE DESCRIPTION: GATCTCAAAA GTATTCCTCA GACGGAAAAA TTATGACCAT GAATTGAAAG GTTTTGAAAG TAAATNCTCT TAAGAATAAA	GGTACAGAGT GGTTCACAAT	TGTATCAAGG TTCTTTTCAT	AAATGAAGAA	CTAGAACATT	120
15	CEO ID NO OCOO					
	SEQ ID NO:2699 SEQUENCE LENGTH:211 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE:HUMGS03142 SEQUENCE DESCRIPTION: GATCAGCAAA CAGGAATACG	ATCAACCCCC	<i>ርቦ</i> ሶቸጥቦር አ ጥተ	CTCCACCCCA	ል <i>ል ፒኒነር</i> ጥጥር ጥ	60
	AAACACTTTC CTGCTCCTCT					
25	GCCTTCAGTT CTTTTCCAAA TTTAATAAAT CTGAAATAGG			GACTCGTTAC	CTATGTGTTT	180 211
30	SEQ ID NO:2700 SEQUENCE LENGTH:236 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3145	acid				
35	SEQUENCE DESCRIPTION: GATCACGAAC ANTAGCTTGC TTTTCAATNT CTTATTTCTG AGTATAAACT TTCTGNACAG TATGATAATT GCCTATGGTA	TGTTACTGAG TTTTNCTNAT	GACCCTAATC AGTCTAATAA	ACTTAGGGAT GTAAAAAGTG	GTAATTTTAT TCCNNCAAAT	
40	SEQ ID NO:2701 SEQUENCE LENGTH:206					
45	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03146 SEQUENCE DESCRIPTION:	acid				
	GATCCATTTC TNACACACAC ATAAAANCTG CGGGCTTCAA GTTTTTTATC ACTTACTTAA	AAAATATAAG	TAGGATGTCA	TCTATACTGT	CATACACTTT	120
50	GAACTCCTTT CACATTTTAA					206

	SEQ ID NO:2702 SEQUENCE LENGTH:206					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY: linear					
	CLONE: HUMGS03147					
	SEQUENCE DESCRIPTION:					
	GATCTAAAAC TGGGGTTTGG	GGGAGGGTTT	CANCETETE	CCACTCCNCT	TGCCCCACAC	60
	CCTTTACTCC CCAGCCCAGA					
10	TTATATTATT TTNCTCTGAC					
	GACAAAATCG ACCATAAAAG					206
	SEQ ID NO:2703					
15	SEQUENCE LENGTH: 205					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUNGSO3148	•				
20	SEQUENCE DESCRIPTION:		-			
20	GATCTTGTTA ATGCATTTTT					60
	AAAAGAATAA AAATTGACTT					
	GTCCGTTAAC ACTACTTAAA		TTTCTCTTGG	TTGTAGAGTG	GCCCAGAATT	180
	GCATTCTGAA TGAATAAAGG	TTAAA ·				205
25						
	SEQ ID NO:2704					
•	SEQUENCE LENGTH: 203					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUMGS03149					
	SEQUENCE DESCRIPTION:					
	GATCCTGAGG CTTTGATGCT					60
	GAAAGAAGCA GCCAGACTCC					
35	GTCTTATTCC TGGCAACTTA TAATATAAAT GACACAAANG		CGTGCACTGT	GACATTACAG	CAAGAAGTAC	
	TANTATAAN GACACAAANG	AAA				203
•	SEQ ID NO:2705					
	SEQUENCE LENGTH: 203					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03150					
	SEQUENCE DESCRIPTION:					
45	GATCTGAAAA AAATACGGTT					60
	AAACCATGGC TTTAACCAGC					
	GTTTGCNGCT GAATTGTGAC		NACCTGCTTT	TCCTGCAAAG	TATATTTNNC	180
	AGACCCAGGC AGTGCTGCTC	GCN				203

5 .	SEQ ID NO:2706 SEQUENCE LENGTH:198 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03151 SEQUENCE DESCRIPTION:	
10	GATCCAATGC TAAACTCCAA TGGTTCAGTG ACTGTGGTTG CTCTTCTTCA AGGCAGCTGA TACCTGTGCA TACTGCAGGC ATCTAAATTA GAAGACCTGC GAGTAAAACT GAAGAAAGAA GGATATTCTA ATATTTNTNA TATNGTTGTT AATCATCAAG GNATCTNTTC TCGATTAAAA TNCACACATC TTANGAAA	120
15	SEQ ID NO:2707 SEQUENCE LENGTH:201 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3152	
20	SEQUENCE DESCRIPTION: GATCCATAAT TCCTATTCAA TGAACATCAT TGTTGGTGGC TGAATACATT TTGGAAGAGA GTTTTTCATC TTAGAGATTG GTGAACAAGT GTGAGGGTGT GAGAAACTCA CAGAATACAA 1 ATTTGCCTGT ATGTTTTGTG GGTTTTTTTT TTCCCCTTCA NGATGTTTNC TATTNCTAAN 1 TTAANGTAAT TNCAAGGTAA A	120
25	SEQ ID NO:2708 SEQUENCE LENGTH:196 SEQUENCE TYPE:nucleic acid	.01
30	TOPOLOGY:linear CLONE:HUMGS03153 SEQUENCE DESCRIPTION: GATCTATTAG TTTAGTGTTT ATNAAAGAAT CAAATGTATA GAATTACCAA GCATTCGTGG	60
35	GGAATNCTGT GTAGCAAATG TAAAACTNAC CTGCTCGGAA GAAACGTAGG ANCGCTTCAA 1 ACCCACTGTA ATGTTTGGTT TGANNTTATT TCCATTGCTT TNAGAGTGAN CTGCCTAAGN 1	20
40	SEQ ID NO:2709 SEQUENCE LENGTH:193 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3154 SEQUENCE DESCRIPTION:	
45	GATCTACAAG NATTTCTTT TAGTAGTTAT ACAAAAGANT ATTACATTTA TTGGTCTGTA CAGTGTAATA AACCAGCAAT AGGGACAACA ACAAAGAGAA TCTAAGAAAG ANGACTATGC 1 CTAANTATAG GGAAAGTTTA GAGAATCATT TTTAGACAGG ACACATTTTG CAGTAGTGAA 1	20
50	SEQ ID NO:2710	

5	SEQUENCE LENGTH: 193 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGSO3155 SEQUENCE DESCRIPTION: GATCAGTGTT GCAACATANT AGTAAGNTGA CCTGGAAATG ACAGATTAAN TTTAATTAAT AAAAGTACAN GTN	GNAAAAGATG AATGAAACTA	TTACTCCTAA	GANTTACATT	GTATAGCCCC	
15	SEQ ID NO:2711 SEQUENCE LENGTH:192 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3156 SEQUENCE DESCRIPTION:					
20	GATCTCGAAC CCTGTCTAGA GTTTTCCTCC ATGTTATTTA TGCATAATGT TCACTTTTA CTATCACACA AA	TGAATTTNAT	ATTCCGTGAA	TGTATATNGT	CTTGTAATGT	
25	SEQ ID NO:2712 SEQUENCE LENGTH:386 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE:HUMGS03157 SEQUENCE DESCRIPTION: GATCCAGAAT NGAGACTGGA TGGAGAGGTT TACACCTGCC					60
35	ATGGAGTGCA CGGTCTGAAT GCTGGGCCTG CTCTTNCTTG CTCTGGNCTT CAGCCANCAG ANGAACCTTC TTGNCCCANG NTTTNTTCCC ACCAAAGAAN	CTGCACAGAG GNACAGGGCT GACTCTTTGN NTTTTCAAGA	CAAGATGCTG GTTCATCTAC GCTGAAGTGC	AGTGGAGTCG TTCAGGANTC AGGTGNCCAC	GGGGCTTTGT AGAAAGGNCA GATTCAAGGG	180 240 300
40	SEQ ID NO:2713 SEQUENCE LENGTH:189 SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear CLONE:HUMGSO3159 SEQUENCE DESCRIPTION: GATCTTCCGG AAAAACTAAG					
50	CNTGNTGAGG CACGAACCCT GTCTGTGCTC TCAGCCGCTG GCCGGCAAA					

5	SEQ ID NO:2714 SEQUENCE LENGTH:189 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03160 SEQUENCE DESCRIPTION:	acid				
10	GATCCCATAG TTTTACATTT AAGTNCTAGC ACATCTGTNA GCAATCTTAT TCCTNGTCTG CTTTTTAAA	CTCCTCCACT	TCCACATTTT	TNCACTGCTT	ACACTTACGT	120
15	SEQ ID NO:2715 SEQUENCE LENGTH:187 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03162	acid				
20	SEQUENCE DESCRIPTION: GATCAAATCT CTCCTGGCTG TCTATATGCT AAGTGAAATC CCATCTACTT TTTGTCACCA AAGCAAA	TGTGTCTGTA	ATTTGTTGGG	GGGTGGATAG	GGTGGGGTCT	
25	SEQ ID NO:2716 SEQUENCE LENGTH:187 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE:HUMGS03163 SEQUENCE DESCRIPTION: GATCCAAGGG CACAAGGAGA CCTCTTTGCG GGACCACACA					60 120
35	GTGTCCTCAN TAGCGCCTGA TNCNAAA					
40	SEQ ID NO:2717 SEQUENCE LENGTH:188 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGSO3164 SEQUENCE DESCRIPTION:	acid				
45	GATCCTCCTG TTTACCCTGT TGAATGAATG AAAAATCCAT GGTGATTGAT TATATGACCG CAAACAAA	ATTGTAATTG	ATGTCCTCTG	GCCACATAGT	TTTAAAATTA	

5	SEQ ID NO:2718 SEQUENCE LENGTH:183 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3166 SEQUENCE DESCRIPTION:	
10	CARGEOGGG COMPAGEMENT OF THE PROPERTY OF THE P	0
15	SEQ ID NO:2719 SEQUENCE LENGTH:182 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03167	
20	SEQUENCE DESCRIPTION: GATCCAAGTG GCCCAGCAGA AACGGAATTN TNGTNAAAAT GACTGATTCT GGTGCATGTN 6 AAAGGCTCTG GGGAATNAAT ACCTGTTTGG TCCAAACTTA CTGTATCATA ATGCTGTATA 12 TGTNGAAAAC GTAATACCTG TNAATGTCCT AATGAATCAN GTTTTGCAGA AAACACCGTA 18 AA 18	0
25	SEQ ID NO:2720	
30	SEQUENCE LENGTH: 181 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS03168 SEQUENCE DESCRIPTION: GATCCTCCAT TGGAGTGGCC CAATCTTTCC TCTAGGGCAA TCCTGAAAGC CCAAGGCCCT 6	-
35	TCNCAGTCTG GCCTTGGCTT CAGCTGGAGA AGGGTAACAT CAGTCATTGT CAAGGCACCN 12 CCANCCCNGA CAGACCGTGT CTCTGATAAA GGTTTTGAAG TGATAAAGTT TTAAAACTAA 18 A 18	0
40	SEQ ID NO:2721 SEQUENCE LENGTH:178 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03169 SEQUENCE DESCRIPTION:	
45	GATCCTCACT CCACTGTCAT GTTTGAAAGA GGTATTGGTG TTCTGGAGTG GGGGTCAACC 6 CCTCCCCAGT CTCTGTGCTA AGTTCACTTG GGAGGATGGC AGTAGGAGCC AGGGCTGGCC 12 ATGGGTCCCC TACGCTTNCC NNTAGGATAT ACCCTGGAGA ATGGCAAAAT GATTTAAA 17	0
50	SEQ ID NO:2722 SEQUENCE LENGTH:287	

	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3170 SEQUENCE DESCRIPTION:	acid				
5	GATCCTAAGG CAAAGAGGTG AGGTTTTCTC TGAAAGCTTA					60 120
10	CTGCCTCCAG GTGCTGGGAC CTGTNTTAAG TCAAAGTAGA GGGTAAAGNG GCCAAGCTGC	AACCCTCCAG	TNTNTGGTGT	TGTGTAGAGA		
	SEQ ID NO:2723 SEQUENCE LENGTH:178					
15	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3171 SEQUENCE DESCRIPTION:	acid				
20	GATCACCATG ACTGCAACAT	GGTTTATATT	CATGCTGCCC	TAGAAACTTT	TGTAATTATT	60
20	TGTTGCAAAT TTGTGACTGT					
	TCTNAAAATT TTTGCTTTTG	CTTATTTAAT	TTTNAATAAA	AGCTAAATTC	CTAATAAA	178
	SEQ ID NO:2724					
25	SEQUENCE LENGTH: 178					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS03172					
	SEQUENCE DESCRIPTION:					
30	GATCCTGGAG CCCCCGTGTC	GGGGGGCGAG	GGNGGGGCGG	TGNCCGACGA	GTTGANCTTC	60
	TNAACATGAG TGTCAACTTC					120
	TGTGCCATNN CTCCCAAGGN	AGGCCCATGT	GACTAATAAA	AAACTGTGAA	CCCTGAAA	178
35	SEQ ID NO:2725					
	SEQUENCE LENGTH: 337					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS03173					
40	SEQUENCE DESCRIPTION:					
	GATCCTTTTG AATTTTGCAC	AGCCCTAGAT	ACAATCCCTT	TTGATAAAAG	GGTCTTTGCT	60
	TCTNATTACA GGAGCACTGT					
	TGGTGTACAC TCAAAACCTG					
45	ATTCTGAAGA AATCTTGGGG CCAGTCCAGT GCTCAGACCT					
	AGGTGTGTGA CTAGTCAATG			VACIATORAC	gganoonn	337
50	SEQ ID NO:2726 SEQUENCE LENGTH:180					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03175 SEQUENCE DESCRIPTION:	acid				
3	GATCCAAAAC ACTCAATCCT ATGATGTGAG CCATGTGAGA TGGGCCGCTT TAATGTCAGG	TGANCAATCA	CCAGTTGTTA	TGTTCGAATC	TCCTTTGTGT	
10	SEQ ID NO:2727 SEQUENCE LENGTH:175 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGS03176 SEQUENCE DESCRIPTION: GATCTGAGCC AGGATGGGAG CTTTCCACTG CCGGGAGTGC					60 120
20	CGTCCACATA CTCCTCCCAG					175
	SEQ ID NO:2728 SEQUENCE LENGTH:175 SEQUENCE TYPE:nucleic	acid				
25 .	TOPOLOGY:linear CLONE:HUMGSO3177 SEQUENCE DESCRIPTION: GATCCTGTTN CCNACCTCCT	TCTCCTCCCC	TGTACTCCCC	≜GTGCCTTC C	ATTGTCCTGG	60
30	TGGAGCTGGG GTTTCTCTCC CATTGGGTGG GGCAGCCCCA	TCCCCAGTCC	CACAACACTG	CCAAAAATCT	GTGTATGTNC	
35	SEQ ID NO:2729 SEQUENCE LENGTH:174 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE:HUMGS03178 SEQUENCE DESCRIPTION: GATCAGAGGA AAGATGAGAA TGTTCCCTCC GTCTCCTGGA TCCCATCTAC TTTATTTCA	CCACGGCTAG	AGTTCCCAGT	TTGGCCTTTT	GGGGCATTCA	
45	SEQ ID NO:2730 SEQUENCE LENGTH:271		CAUIAAIGIA	AACAAATTAA	AUUN	174
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3179 SEQUENCE DESCRIPTION:	acid				
50	GATCGTCTGG GAGCCCAGTG	TCAAGTCTGC	TGGAATGCAG	GAAGTAGAAC	AGAATCGCCA	60

5	CAGGACTGTT CTGGGGCCAG GCCCTCACCC AAAGGTTCTG GTTGGAGGAT AAAATGGGTA TTTCTNNCTN TCTCTGTAAT	GCTCTTCCCT TCAATGNTAA	CCCTCACTTT TNTTTCCAGG	TACTTTCCCT	TCCCCCATAA	180
10	SEQ ID NO:2731 SEQUENCE LENGTH:178 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03180	acid				
15	SEQUENCE DESCRIPTION: GATCINCGGN CIGICGITAG INTICCITTA TAATICACTA TAATICINTA TTAATGTAAA	AAATAAAGCA	TCTATTAGTG	TCTGATTTAG	GAATGTAAAA	60 120 178
20	SEQ ID NO:2732 SEQUENCE LENGTH:172 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGS03181 SEQUENCE DESCRIPTION: GATCTTACCA AAGAGGTCAA CTTCTATTAA GTGTATTTNT CCATTTCTAA GGGCTTCTNT	GTTTAAGNTA	CAGTTCTCTA	AGAGAATTAC	AATGTTTGTC	60 120 172
30	SEQ ID NO:2733 SEQUENCE LENGTH:170 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid .				
35	CLONE: HUMGSO3182 SEQUENCE DESCRIPTION: GATCAGGAAA CGGCAACAAG CCAACAAGTG CTCCCTGGGC TGAGGGAGAC AACGGCAGAG	TGAGGACCCT	TTNTTGCCTC	CCCACCCCGG		60 120 170
40	SEQ ID NO:2734					
45	SEQUENCE LENGTH:176 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03183	acid				
	SEQUENCE DESCRIPTION: GATCTGGATT TATGTATTTG CAAAAGCCCA GGTCTAAATG					60 120
50	TCCTGTGTAA ATCATAAACA	ATAAACAGAA	TATACTCGGT	GGCCATTTCT	AATAA	176

5	SEQ ID NO:2735 SEQUENCE LENGTH:163 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03185 SEQUENCE DESCRIPTION:					
10	GATCCGCCCA CCTNGGCCTC CCTCCTGAAT TAACATTTTC GTGTCTTGGC TGCATTGGTG	TAAAGATGCC	TCCGGCGTGC	TATCCTGAAA		60 120 163
	SEQ ID NO:2736 SEQUENCE LENGTH:162					
15	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03186	acid				
e .	SEQUENCE DESCRIPTION:		011700111	000101110	1 MMM 1 MM 0 0 0	••
20	GATCTCAACT ATGTNCCACT CTCACCAATT CCTTTGGTTT					60
	AACATATANT TNGTAATNAA				IGGUCIGIAG	162
25	SEQ ID NO:2737 SEQUENCE LENGTH:160					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03187	acid				
30	SEQUENCE DESCRIPTION:	77 A CT NT 1 A T	0000010010	1 1 C 1 T C T T T C	1010000000	20
	GATCCTGCCA CCCTGTAGCG GACTGCTAGT GTTCTGTCTA					60
	GAAACAAAA AAAAAANGAG			COLICITIA	IUNUCNUNNU	160
		4000	01000.221			100
35	SEQ ID NO:2738 SEQUENCE LENGTH:159 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
40	CLONE: HUMGS03188					
40	SEQUENCE DESCRIPTION:					
	GATCTGCCTT ATTGCATATN					60
	ACAAAGCTTC ATTGTGAACA CTAGCCTTNC CTACATTTAA			ACANICICAI	CACATTTTC	159
45	omeouthe emeattra	MCTIGCTOTT	UCCCAAATII			103
	SEQ ID NO:2739					
	SEQUENCE LENGTH: 157					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY:linear CLONE:HUMGS03189					

5	SEQUENCE DESCRIPTION: GATCAGANGT TTCACTTGTT TCTCAGTTAT TGGATATGTA TCTTTGTGTA CATATCTTTG CAAAANTGGA TAAGTACAAA NCTTGATGTA AATNGTACCA ATGANTATGT AAACATACAG TGACANCATT AAACTTAGAA AAGTTTTAAA ACTTAAA	
10	SEQ ID NO:2740 SEQUENCE LENGTH:153 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03190 SEQUENCE DESCRIPTION:	
15	GATCCACTGG AATTAGCCAA TACACTATAT AACAATACTA TTAAAGTATT TTTTCCTGGA ATATAATTGG TATATGTCTT CCACTTTCCA TCATGTATGT AAAATTTCAT AGTAAAACTT	
20	SEQ ID NO:2741 SEQUENCE LENGTH:151 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3192	
25	SEQUENCE DESCRIPTION: GATCTTNAAT GCTTTGGAAA TGCGTGTAAC AGTACTGCAA TAATCACAGC TCTGGGAAAA ACAACGAAAC TTTCCCTTGT GGAGAGGAGG GATTTCCCTG CTCTATATAA GCAACATATT TTNAGACATT AAAATATGGT ATNCNNNNCC N	60 120 151
30	SEQ ID NO:2742 SEQUENCE LENGTH:150 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
35	CLONE:HUMGS03193 . SEQUENCE DESCRIPTION: GATCTTNCTN ATCCAAGCAA TAACGGGACG AGGGAGCCAG GGCCAAGGAC ACTCAGGGAC ACTGTTGGGG CAGCGGCCCC ACATGGTAAT GTTTTNTTTA GAGAGAAGAA AAAACAACTG 1 GCTGTAAACG TAAATNATAT TTNTTGGAAA	60 120 150
40	SEQ ID NO:2743 SEQUENCE LENGTH:150 SEQUENCE TYPE:nucleic acid	
45	TOPOLOGY:linear CLONE:HUMGS03194 SEQUENCE DESCRIPTION: GATCGTNTTT TTNCTTGTTA AATAATTAAA ANTCATCTTA AAATTCATAC TTTGACTTTA ATTTAGACAC AAGGAGATGT AATCNCTGTG TAACATCAGA GAAAGCTATA TGGATTATNG 1	60 120
50	TCACAMCTAA ATCTTTCTAA AATTTAA AATTTAA	150

	SEQ ID NO:2744 SEQUENCE LENGTH:149 SEQUENCE TYPE:pucleic acid	
5	TOPOLOGY: linear CLONE: HUMGS03195	
	SEQUENCE DESCRIPTION:	
	GATCGAGTTG GCCGAGGATG GATGATTNTG NGCAGCAGAA GCCGTTGCAG CCCCACGTTG	60
10	TGCTCTAGGC AGGGACCTTT GGCCCCTTTG GGGAGGGAGA GACAGACGGG CGGTTTGACT TGGACACAAA GAAAGCCTTG GTTTCTAAA	120 149
	SEQ ID NO:2745	
16	SEQUENCE LENGTH: 145	
15	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear CLONE:HUMGSO3196	
	SEQUENCE DESCRIPTION:	
	CATCCOACCT CTCCCCATCO CCCATCACCTT VACCACACCAC	co
20	ACCCATGCCC NCTGCCCTNG CCTGGAATCA GTGTTACTGC ATCTGATTAA ATGTCTCCAG 1	60 20
	AAATAAACAA TAATTOTOO AGAAA	45
	SEQ ID NO:2746	
25	SEQUENCE LENGTH: 143	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS03197	
30	SEQUENCE DESCRIPTION:	
	GATCACTCNT AGAGTNGCCA TTCTGCANCT TCCTAAAAAT ATTTTAAAAA TACATTTATT TTACTAAATA CTGACTACAT TTNTNTGTTA ATATTGAGCT AAATGTTAAA AAATGGCCAG 1	60
	ATTALLER ATTALLER ATTALLER AND A	20 43
35	SEQ ID NO:2747	
	SEQUENCE LENGTH: 142	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
40	CLONE: HUMGS03198	
	SEQUENCE DESCRIPTION:	
	GATCCATAGT GTGCATGGC AGACACATTT TGCCTCTATG TCTCTTAAAA TTTTAATTAA	
	AAATACTCTT TCCAGTAATC CTAATTTGCA CGAAGATATA ATGTCCACAT TACGTGCCTT 1: - GCCTTGAAAT CTAAAAAACA AA 1.	
15	1.	42
	SEQ ID NO:2748	
	SEQUENCE LENGTH: 142	
	SEQUENCE TYPE: nucleic acid	
i0	TOPOLOGY: linear	
	CLONE: HUMGS03200	

	SEQUENCE DESCRIPTION					
	GATCTCACAG GACTGAGAAC		• <i>ሮሮጳጳሮሮ</i> ጳሞሞ1		CTCCTTCTT.	
	TTAATCATAC AAACTCTCAC	CATGATGTGA	AGAGTTTCAC	. CAIUMMAMAU Caiummamamu	AAATAAAAA	60
5	TAATGACTTA GAAACTGCCA		, MUNULLION	AMMICITION	MAATAAAAG	142
						142
	SEQ ID NO:2749					
	SEQUENCE LENGTH: 141					
10	SEQUENCE TYPE:nucleio	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03201					
	SEQUENCE DESCRIPTION:					
15	GATCTTTTCA TTTCTTACTA					60
	TTATTTTTGT AACTTTAAGG		TAAACTTCAA	AGTAAGATTT	TNTCAGAATA	120
	AATTGAGACC ATTAATCTAA	A				141
	SEQ ID NO:2750					
20	SEQUENCE LENGTH: 140		•			
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03202					
05	SEQUENCE DESCRIPTION:					
25	GATCAGAAAA AGAAAGAAGC	CAAAGAGAAA	GGTACCTGGG	TTCAACTANA	ACGCCACCTT	60
	GAGCTGCTGG AACCTATTCC	CTATGAATTC	ATGGCATAAT	AGGTGTTAAA	AAAAAAAANA	120
	AAGGACCTCT GGGNTACAAA					140
30	SEQ ID NO:2751					
	SEQUENCE LENGTH: 135					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03204					
35	SEQUENCE DESCRIPTION:					
	GATCCTATTT TCNTACAACC	TTTCAGTGAC	ATCGTTCAGG	NTTCTTTCTT	GGCCATTTAA	60
	AAAAACAAAT TTTTTTTTC	TCACTTGTAA	GTCACCGCCA	GTNCCTAAGT	NAGGCTAACG	120
	GNGACTTTGA CAGGN					135
40						
	SEQ ID NO:2752					
	SEQUENCE LENGTH: 134	.,				
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE: HUMGS03205					
	SEQUENCE DESCRIPTION:					
	GATCAGTAAT AGATNTAGAT	ATACTATTT	NATATTCTA A	GCAGTTACNT	ልሮፕሮ ልርርል ተ ተ	60
	AGNATTCGAA TTCATTTGAT					
50	CTTTGAAACT CAAA					134

	SEQ ID NO:2753 SEQUENCE LENGTH:133					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY: linear					
	CLONE: HUMGS03206					
	SEQUENCE DESCRIPTION:					
	GATCAGACGT CGCTGAGGGG	CTGTNCACCA	CCATCCTCGT	TCTCCAGGGT	CAAGGAAGTG	60
	TTTTAACATG TCGTGTTTTC	GACTTGACCT	TGTGGTATTT	TNCTNGGCCT	AGTTGTGTGC	120
10	CATGGATATT AAA					133
	SEQ ID NO:2754					
	SEQUENCE LENGTH: 141					
15	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03207					
	SEQUENCE DESCRIPTION:		00.000.000	00000011100	#0#00#00# L	60
20	GATCACTGTA GTTTAGTTCT					
	TTTCTAATTC CACAGGTCAT TTCACTTCTT CCTATTGTAA		CITUATAATA	INIMAMONAI	AAAAACAACI	141
	TIGACTICIT COTATIGIAA	n.				171
	SEQ ID NO:2755					
25	SEQUENCE LENGTH: 132					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03208					
30	SEQUENCE DESCRIPTION: GATCGTTATA TTTNACATAA	TATA A 400 A A A	ATMACTA ATC	CATCTATATN	CTTCCTTTCC	60
	TTAAACTACA ATNAACCACA					• •
	TGGATGNNGC TN	danidudida	AAATOOAGG	AIGCACGCII	document.	132
	1001110111100 111					
35	SEQ ID NO:2756					
	SEQUENCE LENGTH: 131					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear		•			
40	CLONE: HUMGS03212	•				
	SEQUENCE DESCRIPTION: GATCCGNCCG CCTCAGCCTC	CCTATATGTT	TTAAAATATA	A NTTTATTCT	TATAAAANTA	60
	AATTNAANCT AGATTGAGGT					
	TNATATTTAT N		nondroondo			131
45	•					
	SEQ ID NO:2757					
	SEQUENCE LENGTH: 136					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					
	CLONE: HUMGS03213					

5	SEQUENCE DESCRIPTION: GATCTGATAT TTTAAGANTT TGGAGACCAT TTCCTGTGCC AGANTCACTG CTCTATTCCA 60 TACCGTGCCA TGGAGGCTGT TTTAGAAGTG GTTGGATAAC ATGTTAAATA AAATATTAAG 120 TGTAAAAAAA AATAAA 136
10	SEQ ID NO:2758 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03214
15	SEQUENCE DESCRIPTION: GATCCACCCA CCTTGGCCTC CCAAAGTCCT GGGATTACAG GTGGGAACCA CAGCACCTNA 60 CCCAGAATAT AAAGACACTT TTNTAATGTG CAATGAAAAA TATGTAAATA AANTATTTTT 120 ATCTNTAAA 129
20	SEQ ID NO:2759 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
25	CLONE:HUMGS03215 SEQUENCE DESCRIPTION: GATCCACCGT ACCAGGNAGC AGAAATATTT CTACAAAGGG GGCCTAGTTT GGAATGAGAA 60 CANNTCTGAC GGCCGGTATG TGAAGGAGAA CTGCAAACCT CTGAAGAGTT ACATGCTCCA 120 AGACTCCCN 129
30	SEQ ID NO:2760 SEQUENCE LENGTH:408 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
35	CLONE:HUMGS03216 SEQUENCE DESCRIPTION: GATCATGTTG GGATTAACTT GCCTTTTTCC CCAAAAANNA AACTCTCAGG CAAGCATTTC 60 TTTAAAGCTA TTAAGGGNGT ATATACTTGA GTACTTATTG AAATGGACAG TAATAAGCAA 120
40	ATGTTCTTAT AATGCTACCT GATTTCTATG AAATGTGTTT GACAAGCCAA AATTCNNGGG 180 TGTAGANATC TGGAAAGTTC ATTTCCTGGG ATTCACTTCT CCAGGGATTT TTTAAAGTTA 240 ATTTGGGAAA TTANCAGCAG TTCACTTTAT TGTGAGTCTT TGCNACATTT GACTGAATTT 300 AGCTGTCATT TGTNCATTTA AAGCAGCTGT TTTGGGGNCT GTGAGAGTCC ATGTATTATA 360 TCCAAGCCCA CCAGGGCTTN CCCTAAGGAN TTGCCATNGT AATACCCN 408
45	SEQ ID NO:2761 SEQUENCE LENGTH:128 SEQUENCE TYPE:nucleic acid
50	TOPOLOGY:linear CLONE:HUMGSO3217 SEQUENCE DESCRIPTION:

	GATCTAGGAA AGAAGGCAAC ACGATATTCT ATTTTGATTT ACTTTAAN					
5	SEQ ID NO:2762 SEQUENCE LENGTH:258 SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear CLONE: HUMGSO3218 SEQUENCE DESCRIPTION: GATCGGCAGG CTGAGGACCA	GGTCCTCACC	\	4 TTT 00 TO 4 1		
15	GCCCTCATCC GCTTCCAGGA CAGGGCTAGA CGAGGGTGGG GCACAGTGCC ACCCNTGTTC AAATGTTTCT GCCACAAA	GGAGCGCAGG CCGTCTGCTT	CTCAGCGAGC TCGTTCCCAC	TGGCCTTGGG AAAGAAAGCA	GACAGGGGCC CCTNACCCCA	180
20	SEQ ID NO:2763 SEQUENCE LENGTH:128 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGS03219 SEQUENCE DESCRIPTION: GATCCTTGTT GGTCTAGCTA GATAGCAGAG TCATAGTTGG CTTCTAAA					
30	SEQ ID NO:2764 SEQUENCE LENGTH:126 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUMGS03220 SEQUENCE DESCRIPTION: GATCTNCCGC TCCCTCCCTG CCTGCTGACC CCCAGCTTTC GCCAAA					60 120 126
40						
45	SEQ ID NO:2765 SEQUENCE LENGTH:126 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3221 SEQUENCE DESCRIPTION:					
50	GATCTTTTA GGCCTTCATT GATTATACTA CTACTAATTN AGCAAA				NATGTTAGAA	60 120

5	SEQ ID NO:2766 SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3222 SEQUENCE DESCRIPTION:	
10	GATCTCTGCA CAGTTTCTTG TTTAGTCTTA TGCCTTTTAG TTGAAAAACA AATTGTATTT TTTTCCTNCT AAGTTTCATG GCCCTAGAGA AGAAGCCAAT NTNNNTAAAG ATGTTATCCC NGAAA	60 120 125
15	SEQ ID NO:2767 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03223 SEQUENCE DESCRIPTION:	
20	GATCCTGGTT TCAATGACGG TTGGAAATAG AAATTNCCAG AGAAGAGAGT ATTGGGTAGA TATTTTTCCT GAATACAAAG TGATGTGTTT AAATACTGCA ATTAAAGTGA TACTGAAACA CAAA	60 120 124
25	SEQ ID NO:2768 SEQUENCE LENGTH:131 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03224	
30	SEQUENCE DESCRIPTION: GATCACTTAG CAACATGCTT GGNAATTTGG NATCTNTAAA GGTAGGAGAG TGGTGAACAG ATAATCTATG CATATATNAC TAGTGCCAAG ACATAAAGCG GGGGAAAATA TATTTTANCC CAAACATTAA A	60 120 131
35	SEQ ID NO:2769 SEQUENCE LENGTH:123 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40	CLONE:HUNGS03225 SEQUENCE DESCRIPTION: GATCAATTAC CTAACTGTTC CTTGGTCTAT TTATGTATAA GAATGCTTTT TAAAGCACAT GTCTCATTTT AAATNACGCA CAAACTGAAG ATGTTAATAA AATTTAAGAG TAATACAATG AAA	60 120 123
45	SEQ ID NO:2770 SEQUENCE LENGTH:388 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	

	CLONE: HUMGS03227					
	SEQUENCE DESCRIPTION: GATCCATTTG TCTGGCAGGA	CCTTTTTCAT	CATAAACCAA	CCCTTCCCCC	AAGGCACAAT	60
5	AGTTGAAGNA TGGAAAGACA					
	CTTCCCTGTA ATCCTTTCTN					
	GAGGAAATAC TATAAAGTGG					
	TTTCATTGGT GGAGAAGCTT	GTCTATGGGG	AGANNNTGTG	GATGCAACTA	ACCTCACTCC	300
10	AAGATTTATG GCCTCGGGCA	AGTGCTGTTG	GTGAGAGACT	CTGGAGGTTC	CAAAGATGTC	360
70	AGAGATATGN GATGACGCCT	ATNACAGN				388
	SEQ ID NO:2771					
15	SEQUENCE LENGTH: 219					
13	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS03229					
	SEQUENCE DESCRIPTION:					
	GATCGATGGA CCGTAAATAA	GCTGCCATTA	ACACATCTGG	TTACTGCTGT	AACATGACTA	60
20	ATAAAACCGA ACGCCTGTTC					
	ATGTCCAGCA GAGTTACCCT					
	AAAAATTGAC CTGCAGTAAA			•		219
25	SEQ ID NO:2772					
	SEQUENCE LENGTH: 120	• •				
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS03230					
30	SEQUENCE DESCRIPTION:					
	GATCAGCACA GGAAGAGCCT	TCCTAAGCAT	GTGGTCCCAG	GGAAGGGTGA	AAAGTAGGAG	60
	TTATGAACGT AATCCACCTA				-	
35	SEQ ID NO:2773					
	SEQUENCE LENGTH: 120					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
40	CLONE: HUMGS03231					
	SEQUENCE DESCRIPTION:					
	GATCCGCCCG CCTCGGCCTC					
	CAAGAGTTAT TTNNTTAACT	IGAAATTTTC	TACTAGCCCT	GGTGAACTTC	IGTGCTTAAA	120
45	SEQ ID NO:2774	•				
	SEQUENCE LENGTH:119					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
50	CLONE: HUMGS03233					
	SEQUENCE DESCRIPTION-					

	GATCCAAGGT GATACAGCTG					60
	TAGTNCTTTC TATGGAATCT	AGAGGNAGAA	TACATGTACA	AGAATATCGA	CTACCGTCN	119
5	SEQ ID NO:2775					
	SEQUENCE LENGTH:117					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS03234 SEQUENCE DESCRIPTION:					
	GATCCCAGCT GTGTGTCACC	AGCAGCTTTC	CCACCTTCTC	TGTGAGGGTC	ACTGCTGCCC	60
	ACTGCAGGGT CCCTGAGGTG					117
15	SEQ ID NO:2776					
	SEQUENCE LENGTH: 115					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUNGS03235	•				
20	SEQUENCE DESCRIPTION:					
	GATCATTCCC ATTTCATAGG	TTTTTATTGT	GGAATAGTCA	ACTTAATATA	GATTCACTTT	60
	CAATTTGCAT GTATAANGTA	ATACTCAATA	AAATTTTTTC	CATTNATTTT	NCAAA	115
25	SEQ ID NO:2777					
	SEQUENCE LENGTH:217					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
30	CLONE: HUMGS03236				•	
	SEQUENCE DESCRIPTION: GATCCTGGGG TTGGTCTGCT	TTCTCT.TCC	T 1 CTT C 1 1 1 C	CACCCTCTAA	ጥተ ለ ጥጥር ጥር ርጥ	60
	GTTGCCAAAC AAAAGCCAGT					
	AGTTCCATGC TGATGTATCA					
35	AAAACTGGAT TAATAAATAC	GTTTTNNNNN	NGTTAAA			217
	SEQ ID NO:2778					
	SEQUENCE LENGTH: 114					
	SEQUENCE TYPE:nucleic	acid			•	
40	TOPOLOGY: linear					
	CLONE: HUMGS03237					
	SEQUENCE DESCRIPTION:	7071077101		LOGRADORNOG	1100101000	CO
45	GATCCTNAGC AACGAACACC TACCCATGGN ACTGTATGCA					60 114
			23.22.04000	Januarinon		•••
•						
	SEQ ID NO:2779					
	SEQ ID NO:2779 SEQUENCE LENGTH:113 SEQUENCE TYPE:nucleic	aaid				

	CLONE: HUMGS03239					
	SEQUENCE DESCRIPTION:				•	
	GATCCAAAAT TACCTTAAAT	GGAGTTAAGT	AGGCTTTGCA	CTAAATGGAT	ATAAAAGAGG	60
5	CTGTCTGGNC TNCTATGAAA					113
Ū	0101010000			•		
	SEQ ID NO:2780					
	SEQUENCE LENGTH: 359					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear					
	CLONE: HUMGS03240					
	SEQUENCE DESCRIPTION:					
	GATCCTTAAA GAAGGTGTGG	GGTCTTTCCC	AACCTGAGGA	TTTCTGAAAG	GTTCACAGGT	60
15	TCAATATTTA ATGCTTCAGA					
,,	AGAAAACTTA AAANTATATG					
	GACAAGGGAA AACCTTCAAA					
	AANGCGATAT ATTINTGATT					
	TTCGGAAGCT TAAGATGGCC		- '	-		
20	TIOGGIBIOOT TIBIOTTOCO			0		000
	SEQ ID NO:2781					
	SEQUENCE LENGTH: 191					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear					
20	CLONE: HUMGS03241					
	SEQUENCE DESCRIPTION:					
	GATCTAGGGC AGGCTGTCTT	CCAGTCCATG	TGTTCTCGGT	CGCCGTAGAC	AGCGCTCTGG	60
	CTACCACCGT GAGGCTACTT					
30	AGAAACCTTA ACCCAACAAA					
	GTCTGTTTAA A					191
	SEQ ID NO:2782					
35	SEQUENCE LENGTH: 111					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03242					
	SEQUENCE DESCRIPTION:					
40	GATCACTCAA CAGCACTGTN	ATGTATTATT	TNNAATGAGG	TGCCTTTTTT	AACTGACCAA	60
	ATGCTGCCTT GTTTGGCCCC	TAANTCAATA	AAATATGTTA	AAATTTGTAA	A	111
	SEQ ID NO:2783					
45	SEQUENCE LENGTH: 109					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03243					
	SEQUENCE DESCRIPTION:					
50	GATCTAAGAA ATAGAATTAG	GGAGAGTTTA	CACTTACTTA	CCTATATAAA	AGCAGATTTT	60

	CNTGGAAGAA ACCCTTTTTT	TTTTTTTTT	TAAAANAGNA	NCANCCAGN		109
	SEQ ID NO:2784					
5	SEQUENCE LENGTH: 340					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03244					
10	SEQUENCE DESCRIPTION:					
	GATCCAGAAG CTGGTGGACG					
	AGAGTCCCTA CCAACGGGCA					
	TCCTGCTAGT AAACACTGGT					
	CATGCCCACT TTNTGGGAGG					
15	GGGGCTTTTT AACTTTTATT			GATTTCAACC	CTCCTTCACT	
	CTGGCTTCTT CAGGNAACCC	ACGTGGTCTC	CTGTNAGNTN			340
	SEQ ID NO:2785					
	SEQUENCE LENGTH: 108	•				
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03245					
	SEQUENCE DESCRIPTION:					
25	GATCTTTAAG ACAACAAGTT				GCCTCTTAAT	60
	TAACTCAGGT AATGAAGAGC	TAACTGTGTT	ATAATCATCT	NCCNNNTN		108
	SEQ ID NO:2786					
	SEQUENCE LENGTH: 108					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	4014				
	CLONE: HUMGS03247					
	SEQUENCE DESCRIPTION:					
35	GATCTGCTAA AAATGGCAAT	TGTAGAATNA	TGTTGTATGT	AATGTACATA	TGGAGAAAGA	60
	ATGTATTTTN TCCATTTCCT					108
	SEQ ID NO:2787					
	SEQUENCE LENGTH: 107					
40	SEQUENCE TYPE:nucleic	acid				•
	TOPOLOGY: linear					
	CLONE: HUMGS03248					
	SEQUENCE DESCRIPTION:					
45	GATCTCTGAG GCTNCGGTCA	CCACCCACAA	GTTGTGGCCT	TGGATACCAC	ACTNCAGTTG	60
	GGTGGTGATG GGGTNGTGCC					107
	SEQ ID NO:2788					
	SEQUENCE LENGTH: 125					
50	SECHENCE TYPE: puelois					

5	TOPOLOGY:linear CLONE:HUMGS03249 SEQUENCE DESCRIPTION: GATCAGTAAG GATGACTGGT AAAAAAAAGC ATAANCTATG CCAAA				
10	SEQ ID NO:2789 SEQUENCE LENGTH:104 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
15	CLONE:HUMGS03251 SEQUENCE DESCRIPTION: GATCGATTCT NTGACACAAA TACAATTTAA GCTATTAAAA			TGGCTGTATA	60 104
20	SEQ ID NO:2790 SEQUENCE LENGTH:104 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03252	acid			
25	SEQUENCE DESCRIPTION: GATCATTACA TCTNAGATGT GGNACTTTCA GGTCATAGGC			TTGAAGGGGA	60 104
	SEQ ID NO:2791 SEQUENCE LENGTH:104 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03253	acid			
	SEQUENCE DESCRIPTION: GATCCAAGCT ATGANATANC TGGTACTATG GCATATATGC			CATGTGATAA	60 104
40	SEQ ID NO:2792 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03255	acid			
	SEQUENCE DESCRIPTION: GATCCAGTCT TAATTTGAGC AAGGAATAGT TGTTGGGTTT ANGTGTTCCC GN				60 120 132
50	SEO ID NO.2702				

	SEQUENCE LENGTH: 102					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS03257					
	SEQUENCE DESCRIPTION:					
	GATCCAGGTG GTGTTACATG	TCCATTTCAT	GTTTTGGGGG	CTTTTAGCCC	NACAAAACAC	60
	CTTCAGTAGA GCCTTGATTA	AAAGGAAACC	TGNAGACTCA	AA	•	102
10	SEQ ID NO:2794					
	SEQUENCE LENGTH: 100					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
15	CLONE: HUMGS03258					
	SEQUENCE DESCRIPTION:					
	GATCTTCCCC TAGGGGGCCC	TCTTACTCCT	NCCTCTCTCC	TCCTCCTTCC	CCATTGCTGT	60
	AAATATTTNA ACGAAATGGA					100
	AUDITATION ACCIDENT CON	, and to an				100
20	SEQ ID NO:2795					
	SEQUENCE LENGTH: 100					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	acra				
25	CLONE: HUMGS03259					
	SEQUENCE DESCRIPTION:					
	GATCACACAT CAAGACTATC	TACAAAANTT	TATTATATAT	TTACAGNAGA	AAAGCATGCA	60
	TATCATTAAA CAAATAAAAT			Timenamian	in i	100
	TATOATTAAA VAAATAAAT	ACTITITATE	NONNUNUN			100
30	SEQ ID NO:2796					
	SEQUENCE LENGTH: 98					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	ucru				
35	CLONE: HUMGS03261					
	SEQUENCE DESCRIPTION:					
	GATCTAAATA CAAAGGATAT	ACAGTCTTGA	NTCTAAAATA	ATTTGCTAAC	TATTTTGATT	60
	CTTCAGAGAG AACTACTAAT					98
			ALIGUTADE.			•••
40	SEQ ID NO:2797					
	SEQUENCE LENGTH: 97					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
45	CLONE: HUMGS03263					
) -	SEQUENCE DESCRIPTION:					
	GATCGTNCCT ATAAATAGTA	GGACCAATGT	TGTGATTAAC	ATCATCAGGC	TTGGAATGAA	60
	TTCTCTCTAA AAATAAAATN					97
50	SEQ ID NO-2798					

	SEQUENCE LENGTH: 96					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS03264					
	SEQUENCE DESCRIPTION:					
	GATCACTAAA GTATATCTTT	AATTCTGGGA	GAAATGAGAT	AAAAGATGTA	CTTNTGACCA	60
	TTGTAACANT AGCACAANTA	AAGCACTTGT	GCCAAA			96
10	SEQ ID NO:2799					
	SEQUENCE LENGTH: 93					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
15	CLONE: HUMGS03267					
	SEQUENCE DESCRIPTION:					
	GATCTGCTGT CTCCGTCCCT	CCTGGGTCCC	AGCAGCTGTC	CTGCAGCTGT	CAGCAGGAGG	60
	GCCTGGCTTT AATAAAGAGT					93
20	SEQ ID NO:2800					
	SEQUENCE LENGTH:93					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
25	CLONE: HUMGS03268					
	SEQUENCE DESCRIPTION:					
	GATCAAGTTC GAGGAGGCAG	TCATCGCTCG	AAACCGGGCC	CTGGAGGGCC	GCTNACCCTG	60
	CCGGANATAA AGNATACAGA					93
30	SEQ ID NO:2801					
	SEQUENCE LENGTH:89					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS03271					
	SEQUENCE DESCRIPTION:					
	GATCCATTCT TGTATTGATA	GATATTTGAA	TGTTTCCAGT	TTTTCCTATT	ATGAATAAAA	60
	CTGCTATGAA CATTCTTGTA	TAAATCAAA				89
40	SEQ ID NO:2802					
	SEQUENCE LENGTH: 95					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
45	CLONE: HUMGS03274					
	SEQUENCE DESCRIPTION:					
	GATCGACAGC GTCCTGGCCT	AGGGTGCCGG	GGCCTGAAGG	TCAGGGTCAC	CCAAGCAACA	60
	AAGTCCCGAG CAATGAAGTC	ATCCACTCCT	GCAAA			95
50.	SEQ ID NO:2803					

5	SEQUENCE LENGTH:84 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03279 SEQUENCE DESCRIPTION: GATCTCTACA GAGAGAAGTG GAAAATGCTG TATCAAGGGT GGGCTTAGCT GTGCCTTTCC AATAAAGATG TGAGAAGCTT CAAA	60 84
10	SEQ ID NO:2804 SEQUENCE LENGTH:79 SEQUENCE TYPE:nucleic acid	
15	TOPOLOGY:linear CLONE:HUMGS03281 SEQUENCE DESCRIPTION: GATCTTTGCC CCTGGTATGC ATTTNTGGAC TCCACTGAAT CCTGNGAAAA AAAATTAAAC TTCCTTCTTA CTTGCCAAA	60 79
20	SEQ ID NO:2805 SEQUENCE LENGTH:79 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03282	
25	SEQUENCE DESCRIPTION: GATCCTGTCA GTTCCATNAG CTATTCCTCT TTGGTTTGGC TTTTTGATAT NATTAAAATA ATNTTTAATT CCTTTTAAA	60 79
30	SEQ ID NO:2806 SEQUENCE LENGTH:77 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	٠
35	CLONE:HUMGS03283 SEQUENCE DESCRIPTION: GATCAATTTT TATAAAAATC GAGACAGTTC TGTGGTTAAA TCTACAAATT AAAGGGAAAT TAGAAGTTGG CGTGAAA	60 77
40	SEQ ID NO:2807 SEQUENCE LENGTH:77 SEQUENCE TYPE:nucleic acid	
45	TOPOLOGY:linear CLONE:HUMGS03284 SEQUENCE DESCRIPTION: GATCTATTTT ATGCATATTG TTTATAAAGA CACATTTACA ATTTACTTTT AATATTAAAA ATNACCATAT TATGAAA	60 77
50	SEQ ID NO:2808	

5	SEQUENCE LENGTH:75 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03286 SEQUENCE DESCRIPTION: GATCTTCAGT AAGTCTCTCA CTCAACCAAT CCAAA		. GCTTGTTCAT	сстттеттт	GAAAAAATTA	60 75
10	SEQ ID NO:2809 SEQUENCE LENGTH:74 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS03289 SEQUENCE DESCRIPTION: GATCCCTTCA CAGCAGTAAA CTCTTCACAG CAAA	CCAGCTCTTT	GGAACCGATT	CCATCACCCC	AATAAAGGAG	60 74
20	SEQ ID NO:2810 SEQUENCE LENGTH:73 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUNGS03294 SEQUENCE DESCRIPTION: GATCTGTTTC TTTTTTAATT TTGACATTTG AAA	TACACTTTTN	CTTTCCGGTT	TGCCGGAATA	AACAGGACCT	60 73
30	SEQ ID NO:2811 SEQUENCE LENGTH:66 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03296	acid				
35	SEQUENCE DESCRIPTION: GATCCATTCT AAGACTTATT TGGAAA	GGCTGTTTGG	AAGTGATAGC	AAATAAAANC	CACCTTGAAC	60 66
40	SEQ ID NO:2812 SEQUENCE LENGTH:67 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE:HUMGS03297 SEQUENCE DESCRIPTION: GATCCGAGGG GGAGGGGTGG CCGNAAA	GAAGGGGAGA	AAATNAAATA	AAAGATAATT	ACTGAACACG	60 67
50	SEQ ID NO:2813					

. 5	SEQUENCE LENGTH: 63 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS03299 SEQUENCE DESCRIPTION:	acid				
	GATCATTGAA TTTAAGGCCC	ACCCCAAGTC	CAGANTGACC	TCGCAAGACC	CTTAACTCAC	60 63
10	SEQ ID NO:2814 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS03300 SEQUENCE DESCRIPTION: GATCTTTTGT ACTTNTNATA AA	ACCTAATGTC	AGACTAAGAA	AAATAAAATA	TCTGAGAGTA	60 62
20	SEQ ID NO:2815 SEQUENCE LENGTH:60 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03304	acid				
25	SEQUENCE DESCRIPTION: GATCCCTTCG AGACTAANTC	TGTTACCAGT	CATGAAACAT	TAAAACCTAC	AAGCCTTAAA	60
30	SEQ ID NO:2816 SEQUENCE LENGTH:68 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03305	acid				
35	SEQUENCE DESCRIPTION: GATCTTTGTC TTTTGTCATG AAANCAAA	ACAAAGCATT	TATTTAATAA	AGTTATGCAN	TCAGTTAAAA	60 68
40	SEQ ID NO:2817 SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03306	acid				
45	SEQUENCE DESCRIPTION: GATCAGATTT TTTATGCCAT SEQ ID NO:2818	CCTCATTAGT	TTTCCAATAC	AATATAAGTT	GAAACAAA	58
50	SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic	acid				

2	TOPOLOGY:linear CLONE:HUMGS03307 SEQUENCE DESCRIPTION:					
5	GATCTCAGAC TTCTGGCTTC	CACAACTGTA	ACAATAAATT	TATGTCGTTT	AAGCCAAA	58
	SEQ ID NO:2819 SEQUENCE LENGTH:57 SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear CLONE:HUMGS03308 SEQUENCE DESCRIPTION:	CCCCTCLCAA	CCALTALIAT	1011TTC100	ም ምም ል ል ል	= 7
	GATCCACTGG GTGAATCCTC	CCGCTCAGAA	CCAATAAAAT	AGAATIGACC	IIIIAAA	57
15	SEQ ID NO:2820 SEQUENCE LENGTH:56 SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear CLONE: HUMGS03310 SEQUENCE DESCRIPTION: GATCTGTGGT CATTGTCCCT	CTCCACAATA	* * C * TTCCTC	A GCCCTGCCT	CCCAAA	56
	GATCIGIGGE CATEGICCCI	CIUCAGAAIA	AAGATTUCTC	AUGCCIGCCI	UUCAAA	30
25	SEQ ID NO:2821 SEQUENCE LENGTH:59 SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear CLONE:HUMGS03311 SEQUENCE DESCRIPTION: GATCTTTGGT TTGTTTCCAG	GTTTGGTTAT	TATNAATAAA	GTTGCTGTGA	ATACTTAAA	59
	SEQ ID NO:2822 SEQUENCE LENGTH:56					
35	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03312	acid				
40	SEQUENCE DESCRIPTION: GATCTTCATT GGGGGATTGA	GCAGCATTTA	ATAAAGTCTA	TGTTTGTATT	TTGAAA	56
	SEQ ID NO:2823 SEQUENCE LENGTH:54 SEQUENCE TYPE:nucleic					
45	TOPOLOGY:linear CLONE:HUMGS03313 SEQUENCE DESCRIPTION:					
	GATCTAAGAA ATAAAGAGAA	ATGTTTCANT	TTGCATTGAA	ATAGGAAAAC	GAAA	54
50						

5	SEQUENCY TOPOLOGY CLONE: HI SEQUENCY	NO:2824 E LENGTH:53 E TYPE:nucleic f:linear UMGS03315 E DESCRIPTION: ACT GGCTTTGCGC		CATTAAAGAG	TCTACTTTTC	AAA	53
10	SEQUENC	NO:2825 E LENGTH:52 E TYPE:nucleic	acid				
15	SEQUENCI	JMGS03318 E DESCRIPTION: TTA AAACTGCAAG	TGTTGAATAC	TAGAGGTTGT	TAGACCNTTA	AA	52
20	SEQUENC: TOPOLOG	NO:2826 E LENGTH:51 E TYPE:nucleic Y:linear UMGS03319	acid				
25	SEQUENC	E DESCRIPTION: CCA CTGTAGTCCA	GGCTGGGCTA	CGGAGAGACC	CTGCCTCCAA	A	51
30	SEQUENC TOPOLOG	NO:2827 E LENGTH:54 E TYPE:nucleic Y:linear UMGS03324	acid				
35		E DESCRIPTION: GCT GATAAATATA	ACCATCAATA	AAGAAGCATT	CTTTTCCAAA	GAAA	54
40	SEQUENC TOPOLOG CLONE: H	E LENGTH:50 E TYPE:nucleic Y:linear UMGS03325	acid				
45		E DESCRIPTION: CCA CACTGCAACC	TCTGGCGACA	GAGCGAGACT	TGGTTTCAAA		50
45	SEQUENC	NO:2829 E LENGTH:50 E TYPE:nucleic	acid				
50	TOPOLOG	Y:linear UMGS03326					

	SEQUENCE DESCRIPTION: GATCCACCCA CTCTCTGAAA	сттстттдст	AATAAAACAT	TCCTACTAAA		50
5	SEQ ID NO:2830 SEQUENCE LENGTH:55					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03331	acid				
10	SEQUENCE DESCRIPTION: GATCTTTTTT TTTCCTTACA	GACACCCATA	ATAAAATATC	ATATTAAAAT	TCAAA	55
	SEQ ID NO:2831 SEQUENCE LENGTH:53					
15	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS03332 SEQUENCE DESCRIPTION:	•				
20	GATCCAGGGG GAAATGCTGG	AAGTCAATAA	AACTGAGTTT	TGAGAGCTTG	AAA	53
	SEQ ID NO:2832 SEQUENCE LENGTH:131	•				
25	SEQUENCE TYPE:nucleic topology:linear	acid				
	CLONE: HUMGS03356 SEQUENCE DESCRIPTION:					
30	GATCCACATA AAAAGAAATG ACCTTTGTTG GGAGGCGGTT TTTCAGTGAA A					
	SEQ ID NO:2833					101
35	SEQUENCE LENGTH: 431 SEQUENCE TYPE: nucleic a	acid				
	TOPOLOGY:linear CLONE:HUMGS03374					
40	SEQUENCE DESCRIPTION: GATCTGCTGA TTGCATTATT					
	TACAGACTTT TNCTTTTGTA (CATTTTAAGA CTCAATTTTA /					
45	AATATGTGTT TCCTTGAAGA A					
	TTTTNAATTN GTTTGAAACA (GAAGCCAATG GCATTTTNGG 1 GTTTGTGCCC N	GACTTTCTGC	CTGTGACATT	TNNGCNTTTA	NCCAATTAAA	360
50 .	SEO ID NO-2924					

5	SEQUENCE LENGTH: 429 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS03375 SEQUENCE DESCRIPTION:
	GATCCCATGG GTGGCACATT GGGACTTCTN TCCCTCCCCC ATCTACACAG AAGACTGTCA 60 CCATGCTGAC AGAAGCCTGT CCTTGTAAGG CCCAGCCTTC CAGGGGAACA CTCAGACATG 120
10	TTCATTCTCT TCCTGCTTCT GCTCTGGGCC GGTGGGTGGC TCTCAGAAAA TACTTGCTGC 180
	TGGCAAAAGG CCTGTACTCA GGCATTTGCT TTGACTTGAT GTTGCCAAGG GACTGAGGCC 240
	ATTGGCAGGC TTAGTACCAC CTGCTCCTCA TCTTAGGAGT CTCCTTTTCA AATAATTAGG 300
	CTCTGTTCCC ATTTTAAAAC TCTGATATTG GGCTTCACCT GTGACTGGAC ACTTTACTAG 360 AGGCCCATTT NCACTAAACA NTAAAATCTA AATAAATTGG AAGGAATAAC AACNACAAAG 420
15	GGNTAGAAA 420
	SEQ ID NO:2835
	SEQUENCE LENGTH: 427
20	SEQUENCE TYPE: nucleic acid
20	TOPOLOGY:linear
	CLONE: HUNGS03376
	SEQUENCE DESCRIPTION:
	GATCTGGGCT TCCTNACTTC TGGAGAAGTG GCCATCCCAT GCCCACCTTT NCCATGGAGG 60
25	AGTGGGCCCT GCCAGCTGCC ACAGCTGCAT GACCTGCTTC CCCACCCCAC
	TNTTTTNAAA GGTCACCTGT CCTCACTCAC CCAGCCAGCC CTTCAGGTGC NTTCTACTCC 180 CAGTGCCAAA GCCAGACCAC TGGGGTTTCC TGCTGCAGGA ATTGGGGGCT GGGAACAGCA 240
	GAGGGGATAG AAGTNTGGTG GAGGTGGAGT GGGCACGCNT TAGCCTACGG AAAGGNCCAT 300
	TTTTTGGGNC CACTGAGCTG CACTGGGATT TTTCANTTCT GGNCCTGANT NCCTTTAGGG 360
30	NAAATAACAC AGCAGGACCN CGGTGGGGAT TTTAAGNACT TTTTTTTNNA GATTNAAANG 420
	GNTTCTN 420
	SEQ ID NO:2836
35	SEQUENCE LENGTH: 416
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY:linear
	CLONE: HUMGS03377
40	SEQUENCE DESCRIPTION:
	GATCCTGATG CTGCCAGAGC CATTGTGGAT GCTTTACCAC CACCCTGTGA ATCTGCCTGC 60
	ACAGTACCAA CAGACGTGGA TAAGTGGTTC CATCACCAGA AAAACTAATG AGATTTCTCT 120
	GGAATACANG CTGATATTGC TACATCGTGT TCATCTGGAT GTATTAGAAG TAAAAGTAGT 180 AGCTTTTCAA AGCTATAAAT TTGTAGAACT CATCTAACTA AAGTAAATTC TGCTGTGACT 240
45	AATCCAATAT ACTCAGAATG TTATCCATCT AAAGCATTTT TCATATCTCA ACTAAGATAA 300
40	CTTTTAGCAC ATGCTTAAAT ATCAAAGCAG TTGTCATTTG GAAGTCACTT GTGAATAGAT 360
	GTGCAAGGGG GNGCACATAT TGGNTGTATA TGTTTNCCNT ATGTTAGGGG ATAAAN 416
	SEQ ID NO:2837
50	SEQUENCE LENGTH: 398

	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03378					
5	SEQUENCE DESCRIPTION:					
	GATCAAAGAT GAGGCCACAA	GGACACCAGC	AACTGAAGAG	GCTGCCTACT	TGGTATCAAG	60
	ACTGAAGGAG AACTACGTTT					
	TAAGCCCCCA ATGTGCTTCA					
	CATTCTGACT GACATGGAAG					
10	AGCCAGCCCT GCTCTGCCTA					
	TATTGAGAAG GCGAGCCTGA					
	GTGGGGGGC CTGCCCGAGG					398
		•				
15	SEQ ID NO:2838					
	SEQUENCE LENGTH: 408					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
20	CLONE: HUMGS03379					
	SEQUENCE DESCRIPTION:					
	GATCGCACAC ATGCTTTGTT					60
	TGGCAAACTT NCTATTGCCT					
	CACTCTCCTG TTGACTATTT					
25	ANGGCCATAG CGCCATCATG					
	GGCTCTGCTT CCTGCTGGCC					
	AAATTGTTTT CTTANGGAAA				TTAAAAATAN	
	TTTGGGGGAA NAAATTNCNG	NNACNGGAGG	GTTAAAATTT	ANCHNANN		408
30	SEQ ID NO:2839					
	SEQUENCE LENGTH: 388					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS03380		•			
••	SEQUENCE DESCRIPTION:					
	GATCCACCAG CTGAGCAGGG	CGGGGCTGAG	TAAATGCCGG	CTTACCATCT	CTACCATCAT	60
	CCGGTTTAGT CATCCAACAA	GAAGAAATAT	GAAATTCCAG	CAATANGAAN	TGAACAAAAG	120
	ATTGGAGCTG AAGACCTAAA	GTGCTTGCTT	TTTGCCCGTT	GACCAGATAA	ATAGAACTAT	180
40	CTGCATTATC TATGCAGCAT	GGGGTTTTTA	TTATTTTNAC	CTAAAGACGT	CTCTTTTTGG	240
	TAATAACAAA CGTGTTTTTT	AAAAAAGCCT	GGNTTTTCTC	AATACGCCTT	TAAAGGTTTT	300
	TAAATTGTTT CATATCTGGT	CAAGTTGAGA	TTTTTTAAGA	ACTTCATTTT	TTAATTTNGT	360
	AATAAAAGTT TTNCAACTTT	GATTTTAN				388
45	SEO ID NO. 0040					
	SEQ ID NO:2840					
	SEQUENCE LENGTH:80	. 27.4				
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	aciq				
50	CLONE: HUMGS03381					
	100000000000					

	SEQUENCE DESCRIPTION: GATCTTGCTG AAAGTGTTTC NAAAAAACGT ATCATGCAAA		ACCACTTTTT	TTTTNAAAGC	TTTTATATAT	60 80
5	SEQ ID NO:2841 SEQUENCE LENGTH:384 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	aciu				
10	CLONE: HUNGS03382					
	SEQUENCE DESCRIPTION:					
	GATCTTGTCC TAGCCTTTTN	ACTTTTGCAA	TTTCAGTATC	TTCATCTCTA	AACTAGGGAA	60
	ACACTNGGAT TCTTTCTTAG					
15	AGACTGCTGT GCTGAAAGAG	CTTTATCACA	CTGTCTCAAA	GTATGTAAAG	ATACATAGGT	180
	GGATGCTCTT ACTGCAGCAG	TCATGAATAC	ATTTTTAGCC	ATTTACCTAA	GGAAAAAGAC	240
	AGTTTTTCTA GGTACCATGA	AGGAAGATTG	ACCCTGTTGG	TATGCCTGTG	GGGGTGGGAT	300
	GTGAGTGGGA CTGATAAACT	GATACTTTTG	GTTCGTATGT	ACATACTGGN	AGAATCTTCA	360
	TANTAAATGN GACTACACAA	CAAA				384
20						
	SEQ ID NO:2842					
	SEQUENCE LENGTH: 376	.,				
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE: HUMGS03383					
	SEQUENCE DESCRIPTION:					
	GATCCAGGGC AAGGCCATTG	GGATATTCTG	AAACTTGAAT	∆	GTGCAGAGAT	60
	AAAGACCTTT TCCATGCACC					
30	TTTCTAGCGC ATGGCCTGGT					
	GCTTGTAGTT TTGGCTAGTC					-
	CCCCTGTCCC CTCTATGACC					
	CCGCCTGTGA AATACCAACC	TGAAGACACC	GTTCATTCAG	GCAACGNACA	TAACAGNAAA	360
35	TGAAGGTGGA CANGCN					376
•						
	SEQ ID NO:2843					
	SEQUENCE LENGTH: 370					
40	SEQUENCE TYPE: nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUNGS03384					
	SEQUENCE DESCRIPTION:	1080001011	0010000100		01.81.01.01.10	
	GATCCCAAAC CTAGCCCCCT					120
45	CCATTTCCCC TGGTGAGCCA TTCCTGAGCT GAACATGGAG					
	AGCTCACAGC CTTGGGAAGT					
	AAAGGCCACA CACATCATTG					
	AGCTCAGTGA GGATTCTGAC					
50	TATTCGCTTN					370

5	SEQ ID NO:2844 SEQUENCE LENGTH:367 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03385
10	SEQUENCE DESCRIPTION: GATCTGTCAT CTGGTGCTGC CAGCTGTGCT CACTCTGGTT TTCTGCTCAG GGTCTGAAGC 6 AGCTGCTGTC TNCCTCCTCT GCCCCCATCC CCTGGCTCTC CCCTGGGCAC AGTGCCACTC 120 CCTTGGAAGG GAGGGAACCA CCCGTNAGCC CCAGGGCTTG GNAAGCCTGA GGCGGTGNCT 180 CTGCCTCTCC CTGCCCCCAG CACAATTGGC AGAGATGAGG CGGGTGGTGG ACGGCTGGGG 240 GTGTCGTGGC AGGGTCTNGC ACAGGGNCAT GTCCTGGCTG TAACCCAGGC AGTGGGAGGT 300 CTGCAAGCCT GGTCATGGCC TTCACAGCAN GGTNCCTGTT GGACAGACAT ATCTGNATAT 360
15	TTATNAA 36°
20	SEQ ID NO:2845 SEQUENCE LENGTH:366 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03386 SEQUENCE DESCRIPTION:
25	GATCTCCAAC ACTATCCGAT AAAGTAGAAG CAACTGAGGT ACCGTGAAAG AGAAAGGAGC 60 TGGAACTGAG AAAAAGCAGA GGATTCGGAC GGAGAGCGCG AGGACTCGGC GGCTGAGCGC 120 GCCCGACAGC AGCTAGAGGC GCTGCTCAAC AAGACTATGC GCATTCGCAT GACAGATGGA 180 CGGACACTGG TCGGCTGCTT CCTCTGCACT GACCGTGACT GCAATGTCAT CCTGGGCTCG 240
30	GCGCAGGAGT TCCTCAAGCC GTCGGATTCC TTCTCTGCCG GGGAGCCCCG TGTGCTGGGC 300 CTGGCCATGG TACCCGGACA CCACATCGTT TCCATTGAGG TGCAGAGGGA GAGTCTGACC 360 GGGCCN 360
35	SEQ ID NO:2846 SEQUENCE LENGTH:365 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03387
40	SEQUENCE DESCRIPTION: GATCCCCCCA AGGNGAAGTG TGAGACAATG GTCTATCACC CCAACATTGA CCTCGAGGGC 60 AACGTCTGCN TCAACATCCT CAGAGAGGAC TGGAAGCCAG TCCTTACGAT AAACTCCATA 120 ATTNATGGCC TGCAGTATCT TTNCTTGGAG CCCAACCCCG AGGACCCACT NAACAAGGAG 180 GCCGCAGAGG TCCTGCAGAA CAACCGGCGG CTGTTTGAGC AGAACGTGCA GCGCTCCATG 240
45	CGGGGTGGCT ACATCGGCTN NACCTACTTT NAGCGCTGCC TGAAATAGGG TTGGCGCATA 300 CCCACCCNNG GCCACGGCCA CAAGCCCTGG GCATCCCCTG CAAATANTTN TTGGGGGGCC 360 ATGGN 36:
	SEQ ID NO:2847 SEQUENCE LENGTH:364

5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3388 SEQUENCE DESCRIPTION:	
	GATCTAGAGT ATGTTGAAGA AGATGGACAT GTGGTGGTAC GAAAACAATT CCCCTGTGGC	en
	CTGCTGGACT GGGTGGAACC AGAACAGGCT AAGGCATACA GTTCTTGACT TTGGACAATC 1	วก
	CAAGAGTGAA CCAGAATGCA GTTTTCCTTG AGATACCTGT TTTAAAAGGT TTTTCAGACA 1	20
10	ATTTTGCAGA AAGGTGCATT GATTCTNAAA TTCTCTCTGT TGAGAGCATT TCAGCCAGAG 2	OU NN
	GACTTTGGAA CTGTGAATAT ACTTCCTGAA GGGGAGGAG AAGGGAGGAA GCTCCCATGT 3	ገ በበ
	TGTTTAAAGG CTGTAATTGG AGCAGCTTTT GGCTGCGTAA CTGTGAACTA TGGCCATATA 3	60
	TAAN	64
15	CPO ID NO.0040	
	SEQ ID NO:2848	
	SEQUENCE LENGTH: 363	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
20	CLONE: HUMGS03389	
	SEQUENCE DESCRIPTION:	
	GATCTGGGGA GGCAGGCATT CCTGAAGGGA ACTAGAGGTG TTACAGAGGA CCCTTACGTG	en
	AGAAATAGCT GAAAAGGGCA CTCGCAACCC TGGGCTGGGG AGGAGGAGAG AGTCCCAGAG 12	วก
05	CTCATCCCCC CTGCTGCCCA GTGCAAACCA CTTNTCCATG CTGCAAAGGA GAAGCACAGC 1	
25	TCCTGCCAGG GTGAGCAGGG TCAAGCCTCT TATTCCAGGA GAAGGGGGCT CTGCCCAGGC 24	
	CCTACTACCN ATTGTNCCCT TCCTCTTCCT GCCCTTGGAA CCCCCTNCCT GTCCCAGGGC 36	00
	CCTTCNAGCC CATTGCTGCC AAGGTGGAGG GANGGATAAA GNCACTTCTG GGTTTTGAAG 36	
	CCN	63
30		
	SEQ ID NO:2849	
	SEQUENCE LENGTH: 361	
	SEQUENCE TYPE:nucleic acid	
35	TOPOLOGY:linear .	
	CLONE: HUMGS03390	
	SEQUENCE DESCRIPTION:	
	GATCTGGGTG TGGCCAAAAA CAATTTNTT TATTCTGTCT ATCAAATAGT ACTTCTACCA	
40	CTGTTTGGAG AAAATTGAAG AAAAGAATAA GATGATTAAA TGAATTCTCT AAAAGAACAT 12	
40	ATTITAAGAG ACAGAACTTA GACATAACCA AGTAGTTGTA TACCTGATTG TAACAATCAT 18	
	CTTTTATAAA AGCAAAATTA TGCATAAATG TAAAACACCC CTAAACAAAG GGAACAAATG 24	
	ANTITITGGT TATATTGTTT TCTTGGCTCA AAGTATCAAT TTATTATTAT AATAGAAATT 30	
	TATAAGTTGC TAGAAAGTCT ATATTTTTAA CGCACGGAAT AAAANTATGT TTTCTATTAA 36	
45	A 36	1 (
	SEQ ID NO:2850	
	SEQUENCE LENGTH: 355	
	SEQUENCE TYPE: nucleic acid	
50	TOPOLOGY: linear	
	CLONE: HUMGS03391	

	SEQUENCE DESCRIPTION:	
	GATCTGTCTC CAAGACCTTG GCCTCTCCTT GGAGGACCTT TAGGTCAAAN TCCCTAGTCT 6	'n
5	CCACCTGANA CCCTGGGAGA NAAGTTTGAA GCACAACTCC CTTAAGGTCT CCAAACCAGA 12	'n
J	CGGTGACGCC TGCGGGACCA TCTGGGGGCAC CTGCTTCCAC CCGTCTCTCT GCCCACTCGG 18	ัก
	GTCTGCAGAC CTGGGTTCCC ACTGAGGCCC TTTGCAGGAT GGAACTACGG GGCTNGNAGG 24	n
	AGCTTTTGTG TGCCTGGTAG AAACTATTTC TGTTCCAGTC ACATTGGCCA TCACTCTTGT 30	n
	ACTGNCTGCC ACCGNGGAGG ANNCTGGTGA CAGGNCAAAG GCAGTGGAAG GAAAN 35	
10	• • • • • • • • • • • • • • • • • • •	٠
	SEQ ID NO:2851	
	SEQUENCE LENGTH: 344	
	SEQUENCE TYPE: nucleic acid	
15	TOPOLOGY:linear	
15	CLONE: HUNGS03392	
	SEQUENCE DESCRIPTION:	
	GATCTAGTTC TACGTATTAC ACAGGTGTAA TATCTGTGAG TGTAAATAAC TGGAACTGTA 60	n
	CACTGATTAA CATGNCAGTT TCTCTTTTGT TGTTCTTATC TGTACTGTAT TATAGTATGT 120	
20	GGGTATAAAT ATCTACAAGT ATACACACAT ATGTNCTNGT ATTCCACTAT TGTAACCTGG 180	, 1
	AAGAAAGACT ATGNATNCCC TNTTNNAATT CCGTACTGGT ATTNGTGTTA TTTAAAAAGC 240	'n
	AAAATNCGGC TCTATTTAGT TGTATAATAT TAGAGGGTAC TNNGCTTGNN CACAATTCCA 300	,
	AGTGGCCTTA GAGCATTGTT TAGCTNNCCG AAGTATATAT AANN 344	
25	377	t
25	SEQ ID NO:2852	
	SEQUENCE LENGTH: 341	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
30	CLONE: HUMGS03393	
	SEQUENCE DESCRIPTION:	
	GATCTATGAG CCTGTNTNGG ACAGCCAGAT GGTCATCATA GTCACGGTGG TGTCGGTNTT 60	
	GCTGTCCCTG TTCGTNACAT CTGTCCTGCT CTGCTTCATC TTCGGCCAGC ACTTGCGCCA 120	
25	CNGCGGATGG GCACCTACGG GGTGCGAGCG GCTTGGAGGA GGCTGCCCCA GGCCTTCCGG 180	
35	CCATAGCAAC CATGANTGGC ATGGCCACCA CCACGGTGGT CACTGGAACT NAGTGTGACT 240	
	CCTCAGGGTT GAGGTCCAGC CCTGGCTGAA GGACTTGTNA CAGGCAGCAG AGACTTGGGA 300	
	CATTGCCTTT NNTAGCCCGA NTACAAACAC CTGGACTTAA A 341	
40	SEQ ID NO:2853	
	SEQUENCE LENGTH: 567	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
15	CLONE: HUMGS03394	
45	SEQUENCE DESCRIPTION:	
	GATCTCAAGA CCAAAGACAG ATGTCAGTGG GCTGCTCTGG CCCTGGTGTG CACGGCTGTG 60	
	GCAGCTGTTG ATGCCAGTNT CCTCTAACTC ATGCTGTCCT TGTGATTAAA CACCTCTATC 120	
	TCCCTTGGGA ATAAGCACAT ACAGGCTTAA GCTCTAAGAT AGATAGGTGT TTGTCCTTTT 180	
50	ACCATCGAGC TACTTCCCAT AATAACCACT TTGCATCCAA CACTCTTCAC CCACCTCCCA 240	
	TACGCAAGGG GATGTGGATA CTTGGCCCAA AGTAACTGGT GGTAGGAATC TTAGAAAGAN 200	

	GACCACTTAT ACTGTCTGTN	TGAGGCAGAA	GATAACAGCA	GCATCTNGGN	CCAGTCTCTG	360
	CCTTAAANGG AAATCTTTAT	TAATCACGNA	TGGTTCACAG	ATAAATTCTT	TTTTTAAAAA	420
	AANCCCANNC TCCTNGGGAT	GCACANCCTG	TCAAGNGTCT	TTTTACACAC	AANTTTCAGG	480
5	TTTNNCATCA CGGGGCTTTG	ANTTCNAGGA	AATNAAAGGN	GGGACAAATT	TNGTTNGTTT	540
	ACNCTATGGT NCTTTNNTAA	NAAACNN				567
	SEQ ID NO:2854					
10	SEQUENCE LENGTH: 349					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03395					
15	SEQUENCE DESCRIPTION:		mmomomomomom			
15	GATCTTTACT TTTTTACTTT					60
	GATTITAAGG ACGGTTTTGA					
	AAACATACTG AATGGAAGAA TGAAATNATA GATAAATGGT					
	TGCAAAGTAC TTACAATGTT					
20	ATTACCTAGA ATGCAGGGTT				NUCNCCCTIA	349
	minoonan araanagari	diindiiiii	INGULTUADIL	1101111111		043
	SEQ ID NO:2855					
	SEQUENCE LENGTH: 334					
25	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03396					
	SEQUENCE DESCRIPTION:					
30	GATCCGCTGT ATTGTGGAGT	ATCAGAACAA	GGGCCGCGGG	AACGAGNGCG	TGCAGTACCA	60
00	GCATGTGTTA CATAGAAATC	TCATTTATTT	GGCTACCATT	${\tt GCAGATGCCA}$	GTCCAACCAG	120
	CACTTCAAAA GCAATGGAAT	AATCTTTCAA	AAGCAATAGA	ATAATCTTCC	ATTTGGCTGT	180
	CGTGAGGAGT AATTGAATGT					
	TCAACTGGTT AAAACATGAN			CAAAACGTGG	AAAATGTGAA	
35	GAANGCTACT TAACTTNGGC	TGTATTCTCA	TGGN			334
	SEQ ID NO:2856					
	SEQUENCE LENGTH: 332					
	SEQUENCE TYPE: nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS03397					
	SEQUENCE DESCRIPTION:					
	GATCGGCCTG CTGCTCCGCA	ACTTCGACCG	CTACGGCGTG	GAGTGCTGAN	GGACTCTGCC	60
45	TCCAACGTCA CCACCATCCA	CACCCCGGAC	ACCCAGTGAT	GGGGGAGGAT	GGCACAGTGG	120
	TCAAGAGNAC AGACTCTAGA	GACTGTCAGA	GCTGACCCCA	GCTAAGGCAT	GGCACCGCTT	180
	CTNTCCTTTC TAGGACCTCG					
	ACAGTAAATG TATGGGGTCG			GGCTGCTTAG	CCACATGGGA	
	GGTGCTCAGT AAAGGAGAGC	AATTCTTACA	AA			332

	SEQ ID NO:2857					
	SEQUENCE LENGTH: 331					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY: linear					
	CLONE: HUMGS03398					
	SEQUENCE DESCRIPTION:					
	GATCCTGGGT GTNTNTGTAA	GGGTNTTGCC	AAAGGAGGTT	AACATTGGAC	TCANTGGGCT	60
•	GGGGAAAGGC AGACCCACCC					
10	ATAAAGCAGG CAGAAAANTG					
	TCCCATGCTG GATGCTTCCT					
	TTGGACTGGC TCTCCTTCCT					
	TGTAAGTTCA TACTTAATAA			ATTOTOGOAC	CIIGIGITIC	331
15		MOTOTOGRAM	14			331
	SEQ ID NO:2858					
	SEQUENCE LENGTH: 351					
•	SEQUENCE TYPE:nucleic	anid .				
	TOPOLOGY: linear	aciu				
20	CLONE: HUMGS03399					
	SEQUENCE DESCRIPTION:					
	GATCGAGTCT ATACGCTGAA	GAAANNTGAC	CCGATGGGAC	AACAGACCTC	CTCACCCCAT	60
	CCTGCTCGGT TCTCCCCAGA					
25	TTCAAGGTGC TCATGACCCA					
	TCTTTTCTGC CACCTGTTAC					
	CCTNATGCCT TTTTGCCAGC					
	TATGCTTGTT GTGAGGNAAT					
	TATOUTTUET UTUAUUNAAL	CAIGGINGG	CHICHNCCHI	I AANUUUU I G	N	351
30	SEQ ID NO:2859					
	SEQUENCE LENGTH: 330					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	aciu				
35	CLONE: HUMGS03400					
	SEQUENCE DESCRIPTION:					
	GATCCTGGGG GCCTGGGTTG	GGGCTAGGG	AGACGCCATG	TCATCGACAC	TCCAGGGACA	60
	CACAGCCTAG CACAGCAGCT					
	ATTCCCTGGA TAGACGAGTT					
40	CCTTTGTAAG TGCAGGAAAC					
	CTTTGCCATT GTGAACCATG					
	GCTGAGACTG TGCTGTTGTT		Iddanoatac	IUIICACICA	CICIAAAddii	330
		OTOGITITA				550
45	SEQ ID NO:2860					
	SEQUENCE LENGTH: 330					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03401				•	
50	SECUENCE DESCRIPTION.					

	GATCTGGAAA GGACATGACT	TCTGAAATAG	CCGCTGCTGG	GTTTTAAAAG	CTGAGGTCTC	60
	TCAAAGTGTG GAGGAGACGT					
	TTTTCCTTGT GTATTGAAAA	TCATGATGTT	TGTTATGACT	GCTGATGCGA	TTGTNTTTGT	180
5	AAATNTNATT GTGGCATATA	CAGTATTGTC	ATACAGTTGA	AGAGAAACAA	TGTTTCCTAA	240
	TGTAAGTNCT CTGAAAATGT	TGACACTGTA	TATATATATA	TNAGGATAGT	TTGTNTTTCN	300
	NTGTTTGGGG TTTNNNNTTN	TTTCNGNTGN				330
10	SEQ ID NO:2861					
	SEQUENCE LENGTH: 396					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03402					
15	SEQUENCE DESCRIPTION:					
	GATCTTAAAC CCAAAGTACG					
	ATTTATCAAG CGCCAAAAAG	-				
	TTCTTTATCC TCTGATTCTA GCTATTAGGG AAGAGAA					
20	AGTAGCAGGG TATTGCCTTT					
	GCTTGCTGTT CCCAAATATG					
	NTNGATTGGC TTTGCAGANA			11111100010	CCAACAMIC	396
	MINOMITEDO TITUONOMIA	IMMAGIIIG	ANTION			330
25	SEQ ID NO:2862					
	SEQUENCE LENGTH: 330					
\$	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
30	CLONE: HUMGS03403					
	SEQUENCE DESCRIPTION:					
	GATCCAAAGT GACCCCACCA					
	GTCCTGGTCT ATCACCCCAG					
	AGAGGACACA AATGAGGACA					
35	ATTGTACAGA GTGGGGCAAA					
	TCCCATCTAT ACGAGGTGTT		AAGAACCCTC	CCATTCACGC	CCGNCTACCA	
	ACAACAAACG TGCTTTTTC	CTNTTTGAAA		•		330
10	SEQ ID NO:2863					
40	SEQUENCE LENGTH: 329	•				
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear		•			
	CLONE: HUMGS03404					
45	SEQUENCE DESCRIPTION:					
	GATCTTATTT TCTGAGAAAT	TGATAGCAAA	TATGCCAGAA	AGTGGACCTA	GTTATGAATT	60
	CCATCTAACC AGACAAGAAA					
	TGTGAAAGAA TTAGAAAACT					-
50	TGATATGTGC CTGTTTCTGG					
	ATAGCAATGN CAGTCTTAAG	CCAAACATTT	TATATAAAACT	TCCTTTTCTA	AAGGAGAATT	300

	ATATTGTTTT AAGTAAACNC	ATTTTTAAA				329
5	SEQ ID NO:2864 SEQUENCE LENGTH:329					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03405	acid				
10	SEQUENCE DESCRIPTION: GATCACTTCA GCTGCCTGCT	GTGGACAAAG	AACATCAAAT	TACAGCATCA	CGAGTGCTAT	60
	TNTTGCCTGT GGTGGTCTCC					• •
	CGCGGCTTGA GCTGAAAATG					
15	TTTCTTCTAC ACGCGCCTGA					
73	CTGTCTATTG TACCGACTTA		CCCAAGTCCG	CATCTGTGTG	TATCATCAAT	
	AAAGTTGGTN GTGCCTTGGN	TTGGGCAAA				329
	SEQ ID NO:2865					
20	SEQUENCE LENGTH: 328					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03406					
25	SEQUENCE DESCRIPTION:	22222122B2	0000170701	+ CO + COTHTT	TCCC+CCC+C	60
	GATCGGCGTG ACCACCCCTT AAGGCACTGA AGGAGAAGGA					
	GAGTTGTATC GCATTAAGTT					
	NTGGAAGACG GTTNTNGGGC					
20	CCTNTGGAAA AAGGNCTTNT					
30	GGGGTTGCCC AAGNAGGCCC					328
	SEQ ID NO:2866					
35	SEQUENCE LENGTH: 327 SEQUENCE TYPE: nucleic	anid.				
	TOPOLOGY: linear	acru				
	CLONE: HUNGSO3407					
	SEQUENCE DESCRIPTION:					
40	GATCTACAGA GTTAGAAATT					
,0	ATACAAGAGG TCAAGTAACA					
	GCTCTTCTGG AATATATTTA					
	ATGTNGATGT TGAATCAACT					
45	CTTATTTAAA GGGTCCTGAT		TTANGNCALI	CATTAAAAAG	AAACCAUGAA	327
70	ACACTTTTGA ANTAACAGCA	NUUUUN				061
	SEQ ID NO:2867					
	SEQUENCE LENGTH: 327					
50	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					

	CLONE: HUMGS03408	
	SEQUENCE DESCRIPTION:	
		0
5	GAATGACACA TATACAGAGC CCCCACGGAT TTCTNCACAC TCTGGGTCTG TGCTGGTGGA 12	0
	ACATTGCCAA TNAGTTCTTA ATGAGGCACC TGTGTGTAAA TACATGCTTG GTCTTCTCTG 18	0
	CAGAGAACTG AGGCTAAACT CTGTCCCTAC TTCTGGTTTT GCCCTGTNAT GTCGTAACGA 24	0
	GGTGGGCCTT TTGAGGCCAT TTTAGTTTGA GTTCGAGCCA ACCACCTCTG GTTGGTTAGA 30	0
	TGATTGAATA AAAAGGTTCT GAAGAAA 32	7
10		
	SEQ ID NO:2868	
	SEQUENCE LENGTH: 326	
	SEQUENCE TYPE: nucleic acid	
15	TOPOLOGY:linear	
	CLONE: HUMGS03409	
	SEQUENCE DESCRIPTION:	
	GATCCAATCA CCTCCCACCA GGCTCCACCT CGAATACTGG GGATTACCAT TCAGCATGAG 60	
	ATTINGGCAG GAACACAGAC CCAAACCATA CCACACACAT TATCATIGIN AAACTITGTA 120	0
20	AAGTATTTAA GGTACATGGA ACACACGGGN AGTCTGGTAG CTCAGCCCAT TTNTTTATTG 180	0
	CATCTGTNAT TCACCATGTA ATTCAGGTAC CACGTATTCC AGGGAGCCTT TNTTGGCCCT 240)
	CAGTTTGCAG TATACACACT TGCCANGTAC TCTTGGTAGC ATCCTGTTTG GTATCATNGC 300)
	ACTGGGTCAC ATTGCCTTAC CTAAAN	3
25		
	SEQ ID NO:2869	
	SEQUENCE LENGTH: 325	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
30	CLONE: HUMGS03410	
	SEQUENCE DESCRIPTION:	
	GATCTATGGA ACAGAGGAGG AGCGATGCAG TTGGGAGAGG AAGCTAGAAG GGTTATGGTT 60)
	GGAGTTCTGT ACAGTGTTGA GTTTCCGACA GGGAAAGAGG ATTCCTCCAA TGCGCCTAGA 120)
35	GAGAAAGCCT GAGCAGGAGA TGATGCAGCA GAGGGGAAGG GCCCTGTGGT GCCGCCGCCC 180	
	TTCCTTCAGC CTCCGAAGGT GATGGAAATG GAGAGTGGAG GACCAGGCCT CCAGCTGTNT 240)
	GGCCTNGCCN TTCACGGCTT AACACTAAGC CCACCTCCCC TTNTCTCCTT CCCAGCATTG 300	
	AGCCCTTGGT TGCCTGGGCC CAGGN 325	
40	SEQ ID NO:2870	
	SEQUENCE LENGTH: 325	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
45	CLONE: HUMGS03411	
. •	SEQUENCE DESCRIPTION:	
	GATCTTCAGA AACCTTGCTA GGAGAAGTTA ATGAAAATAG AGTATCAATA GCATTGAAAA 60)
	AAACCTCTGA AATCCTTCAC GATATTGACT GTCTTCTATC AAACTCTAAA AAGTGAAAAA 120	
	TGGAATTATT ACAACATATT ATTAAAGTTT AAGGATGTTG TTTCAAGTGA CTGGTATAAA 180	
50	ATTACTAGTA AGCCAAGATA TTGTACGTAT TACCCCGGCA CAATGATTGT GAAAGANCTG 240	

	ACATTTAACT TTGAAGGTAT	TTTTAACTTG	TACATTTTA	AAATATGTAT	TTATATCTNA	300
	NTANTAAATN TTTCGAAGTT	TTAAA				325
5	SEQ ID NO:2871					
3	SEQUENCE LENGTH: 325					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03412					
10	SEQUENCE DESCRIPTION:					
	GATCCAAGCG GAGATTGACG	CTGCAGCGGA	NACTCATCGA	CTTCTTCCGG	TTCAATGCCA	60
	AGNATGCGGT GGAGCTGGAG					
	CGGTGTACCG GGGTCTGGAG	GGCTTCGTGG	CGGCCATCTC	GCCCNTTAAC	TTCACTGCAA	180
15	TCGGCGGCAA CCTGGCGGGG	GCACCGGCCC	TGATGCTTCG	AGAGGGAGTT	GTGACTCTGC	240
	CTCTTTGCCA GATGACAAAA		CAGCCGTGAC	TTACTTGGCA	AGACTGAGTG	300
	ACTAGTAAAT AAATGATGGA	GCAGN				325
	SEQ ID NO:2872					
20	SEQUENCE LENGTH: 323					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear				•	
	CLONE: HUMGS03413					
25	SEQUENCE DESCRIPTION:					
	GATCCTCCTT CTAGCTCATC					
	GTAAGACTTC AGACAACATT					
	GGTGTGAGCC ATGCAATGGG					
20	GTCTGTAAAC AATAACAACT					
30	CAAGTTTAAA ANCATTTTTN		GGTATACTCA	TGTCAATATN	CTTTATTAAT	300
	AAAANGNTTT TCAGTGTCAT	AAA				323
	SEQ ID NO:2873					
35	SEQUENCE LENGTH: 322			_		
	SEQUENCE TYPE:nucleic	acid		-		
	TOPOLOGY:linear					
	CLONE: HUNGS03414					
40	SEQUENCE DESCRIPTION:					
40	GATCTGCCCA TCTCAGCCTC					
	CCATCATTTA TCTTTTTCAC					
	ATCTGGTGTG ATATTGTAAT					
	CTGTCATCAG ACATTGAAGA					
45	TTTTTGTTGT GGTTAGTTAG		ATTTTNAGTG	GGTTTTAATA		
	ATAAAATTAG CTATTTGCCA	AA				322
	SEQ ID NO:2874					
50	SEQUENCE LENGTH: 319		•			
JU	SEQUENCE TYPE: nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGS03415 SEQUENCE DESCRIPTION: GATCACCTNT GGCGTGTTCC AAATACCAGA CACACGCAAG AAAAGTGTCA AGGTCATCTA ATGACAAANT GCAACGTTTC TGTCAGAAAG GAAATTTGTG CACTGGTATC GCAGCGAAA	GGAAAGGACA CGACAAAAGA ATCCTAGACT	TTCTACAAAG CTGAAAGGAC GGATTCTGGA	GAACGGACTC CCCAGTCGAA CCCAAAAAAT	ATACTCTTCG AAAAGNCAAG CCCCTTCTTT	180 240
15	SEQ ID NO:2875 SEQUENCE LENGTH:320 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3416 SEQUENCE DESCRIPTION:	acid				
20	GATCTCCCTT CGTGGAGACG TGCTGATTTG AAGGATGTAA TGCTAAAAGC GAATGTAGTC TCTNTGAGCC TCCAGAAGGG TGGTCTGCCT NAGTTTTNCC CCANGAGTTT GGGCCGNAAA	ATNTNATTCC AGGCCCCTTT GTTCTGGGCC	AGCCACCGCC NATGCTGTGA TAGTTGTCCT	TGACCATCCG GACCTCCTGG CCCTCTGGAG	CCATTCCGAC AACACTGGCA CCCNGTCCTG	180 240
30	SEQ ID NO:2876 SEQUENCE LENGTH:308 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid	,^			
35	CLONE:HUMGS03417 SEQUENCE DESCRIPTION: GATCTCTGCT GTGNCTCCCA GGAGCCTGCA CAGCTCACAC CGGGAATGTN AGGTGCTATT	CTACTCCTGT	GGCTCTGGAG	TGGGCATCTN	CCTGAGAGTA	120
40	TACCTTGATG ACTATGGGGA TGCAAAGAGC GATTCAAGAA NTTGGNCN SEQ ID NO:2877					
45 ·	SEQUENCE LENGTH:308 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03418 SEQUENCE DESCRIPTION:					
50	GATCTTGACC ATGACAGTTT GTGTAACTNA CAATTNCTGC GAGCTAAATC AGAACTGCAC	AGAAATCCCC	CTTCCTCTAA	ATNCCCTTTA	CTCCACTGAG	120

		TTGGA GAAGTGATTG YCN					
5	SEQUEN SEQUEN	O NO:2878 NCE LENGTH:307 NCE TYPE:nucleic	acid				
10	CLONE: Sequen	OGY:linear :HUMGSO3419 NCE DESCRIPTION: NGAAG ACGATTAAGG	GAAGGTCGTT	CTCAGTGAAA	ATCCAAAAAC	CAGAAAAAA	60
		TACA ACCCTAAGTC					
15		ACTG AAACATCAGC					
		INNNT TNCTGAATGA					
		TGAN GAAAATNTAA					
		* -					
20	SEQUEN SEQUEN Topolo	NO:2879 NCE LENGTH:307 NCE TYPE:nucleic NGY:linear	acid				
25	SEQUEN	HUMGS03420 ICE DESCRIPTION: 'GAGG GCAGACAGCA	GAATTCCTCT	TATAAAGAAA	ACTNTTTNGG	AAAATACGTT	60
	GAGGGA	GAGA NGACCTTGGG	CCAAGATGCT	AAATGGGAAT	GCAAAGCTTG	AGCTGCTCTN	120
00	CAAGAG	AAAA TAAGCAGGNC	AGAGGATTTN	CTCTGGACAG	AGATGGAAGA	GCCGGGAACA	180
30	GAGAAG	TNTG GGGAAGAGAT	AGGAACCAGC	AGGATGGCAG	GGGNNNNGGG	CTCAAGGGTN	240
	AGGAGG TGGCAC	CCAG TGGGACCCCA	CAGAGTTNGG	GGAGATAAAG	GAACATTGGG	TTTGCTTTGG	300 307
35	SEQUEN SEQUEN Topolo	NO:2880 ICE LENGTH:305 ICE TYPE:nucleic IGY:linear	acid				
40		HUMGS03421					
-		CE DESCRIPTION:					
		CCGT GTCCTTATAA					
		AAAT CTCAGGTATT					
		TATA TCTATATGTA					
45		GTNC TTAAATTTGT					
	TGAAA	GGAA CATGCCATTT	IMMAINIUIN	UIAAUUUUUIU	INNIAAIAAA	ACGITIAGIA	300
	SEO ID	NO:2881					
50	-	CF IFNGTH-305					

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SEQUENCE LENGTH: 305

6	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03422	acid				
5	SEQUENCE DESCRIPTION: GATCCACTGA TGGCTCCAGA GCCTTTGCTG GAGCCGCCTG GGTGTTTCCT TTCTGGGACT	CAAGGNGCAT	GTTTGACCAA	TCCCCAGTGG	AGGGGAGGGT	
10	TTGAAGGCTG TGAGAGTGGG TATNATNATA ATTGTTTGAA NGAAA	CCTGACAAAG	TTTATTCCTT	TTTTTTTTC	CATTCNCTTT	240
15	SEQ ID NO:2882 SEQUENCE LENGTH:303 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGS03423 SEQUENCE DESCRIPTION: GATCAGGAAA GTCATACTGT CCCCCATATG TACAGATGAT	ANTAGGGTGT	GGAATGTCGT	CAGTGGCAAA	CATTTCACAG	
25	ATTTTTATTT TGTTTCTGTC CATGAAAAGN TACTACTGTG AAACATTTTT TTGAAAAAAT AAN	TTGAAAGCTT	TTTAGGAAAT	TTTGNCAGTA	TTTTTGTACA	240
30	SEQ ID NO:2883 SEQUENCE LENGTH:375 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3424	acid				
35	SEQUENCE DESCRIPTION: GATCACCGGA CACAATCCTG GTCATTCTAG ATGTNCTGTT GAGCACAGCT CCGTGCCAAA	GCCAGTATCA	AAACCGGCTT	CCAGGCTGTC	ACGGGCAAGC	
40	GTGGAGATGT GGCTGGACAG GATAAAAAAG CTGCCAAGAT NTGCTCAAGC TGTTGACATA NTATGGGGGT AAGTN	GTTTGCCATC TTTTGGCGNG	AGAGTGGATA TGGTTGGTCT	TACCGTTGTA GAAGTCCTTG	TTAAAAACAA CAAGACGCTG	240 300
45	SEQ ID NO:2884 SEQUENCE LENGTH:301 SEQUENCE TYPE:nucleic	agid			•	
	TOPOLOGY:linear CLONE:HUMGS03426	aciu				
50	SEQUENCE DESCRIPTION: GATCAGATAG GAGCACAAGC	AGGGGACGGA	AAGAGAGAGN	CACTCANGCG	GCAGCATTCC	60

5	CTNCCAGCCA CTGAGCTGNC TAGCAGCAGG GAGACGAGAA CCACACAGGA AACCTTGAAG GTTTATATAT ATATGATAGA A	CACCACACAA AAAATCAGTT	GACATTTTTC NCTAGGNNNN	TACAGTATTT GCTGTTACCT	CAGGTGCCTA CTTGTTTACA	180 240
10	SEQ ID NO:2885 SEQUENCE LENGTH:297 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3427 SEQUENCE DESCRIPTION:	acid				
15	GATCGGGGA GGGTAAATAA CAATCCATCC TGTAGTATAG GGAACCCTTT AGCTTTGTTT TGTGAAAGGC CAGCTCTCGG GGTTGTGCAC ATTGTTTTC	GTANNNGNGT TGGAATGGCC CAGCCCCTGT	TGGGGGAAGC CACCATTCTC GGTTTCAGCG	AGCTTCCATT ACTGGAAAAC CTGCCGCTCT	CTGGATGTTT AGTGGTCTGC GTGTCATTCA	120 180
20	SEQ ID NO:2886 SEQUENCE LENGTH:296 SEQUENCE TYPE:nucleic	+				
25	TOPOLOGY:linear CLONE:HUMGSO3428 SEQUENCE DESCRIPTION: GATCTGGGTG CCTTGGGAGA	NCCAGTCCTT	CCTTTTNACC	CACCCCAGGA	AGATGGAGTN	60
30	CTCTTTNCTA GGCCCATGTC GGGGGTCTAC AGGTTGAGGG TGGGCAGACA GCCNNAAGGG TAAGGGGGAA AGGGTCTTTC	AGGTTGGTCA AGGGAGGGTG	CAATNAGAAC TGGGTGTNCG	CTCGGGGTTT TGTGTGCATG	GAGGTGGCCA TCCTGGTNTG	180
35	SEQ ID NO:2887 SEQUENCE LENGTH:296 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			·	
40	CLONE:HUMGS03429 SEQUENCE DESCRIPTION: GATCTGTGCN GTGGTCCTNA CAGTNAAACT TTGCTGTCCT	ACTTTAACAA	ATGTCCTGTG	CGACTCCACC	TCCAAACTGT	120
45	GCCCTCAAAG GTTGTGTATA GCCTGCAGAG AATGGAAACG AGGNCTGAGG CATAGTCTCT	TGGGAAAGGA	ATGGTATGTG	GGGGAAATGC	ATCCCCTCAG	
50	SEQ ID NO:2888 SEQUENCE LENGTH:356 SEQUENCE TYPE:nucleic	acid				

	TOPOLOGY: linear					
	CLONE: HUNGS03430					
	SEQUENCE DESCRIPTION					
5	GATCTACTCT GTATGGGTAC	CAAAATCACC	TTCTCTCTTC	AAGTCAAAGT	TGAATTTAGA	60
	ACTTTGAATA CAGGTCAAA					
	CTGAAAAAGG GTTGTATTT					
	CTCTCCAGTG AAGTATCTTA					
	AAGGCAGAAA TTTTATTTT					
10	GTAAATATTT CAATGCATCT					356
	SEQ ID NO:2889					
	SEQUENCE LENGTH: 293					
15	SEQUENCE TYPE: nucleio	acid				
	TOPOLOGY:linear					
	CLONE: HUNGS03431					
	SEQUENCE DESCRIPTION:					
20	GATCCCAAAC CAAATCTTAG	AATCANTTCA	TTTAAAATAC	TGAGCGGTAT	TGANTACTTC	60
20	GAAGCAGAAC AGGCAATGTG	CAGCCCTCAT	TTATGAGAAA	ACCCTCAGGA	AACTCCCAGG	120
	GTGATGCTTG GNGAAGCTGT	GAGTTGAGCT	GAAGCTGGAG	AACTTCCTCC	AGAGCAAAGG	180
	GCTTAAGAAA GAAAGANGAA	CTCTAAGCTG	GGTCTGCTAA	CATCACTCCA	GTTTAGATGG	240
	NTCCTGTTTT TCCTTAACAN	GTTGAGGCGT	GGGTAGAGCA	GGANTTGGTT	TTN	293
25				•	•	
	SEQ ID NO:2890					
	SEQUENCE LENGTH: 289					
	SEQUENCE TYPE: nucleic	acid				
30	TOPOLOGY: linear					
30	CLONE: HUMGS03432					
	SEQUENCE DESCRIPTION:					
	GATCTGAAAT AACATTAATT	TGATTGTAAC	CCTATTGGGG	${\tt TTAGTTCCCA}$	CCCTTTGTTC	60
	CATCTTGAGC AGAGATGNGC	TGCATTTCTT	AACGTTTGGT	CTCTATACAT	TATACCATCT	120
35	GCTGAAGTTT AGCTTTGTGT					
	CAAACTGATA AACAATGTTT	CTGGTTAATG	TTGCAAAAAT	GGAACACTGT	ATTTNACATA	240
	ATTGATTTTC TACTCCTGCC	CTGTGAATTA	AGGCAGAGTT	TTACTGTAN		289
40	SEQ ID NO:2891					
40	SEQUENCE LENGTH: 286					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03433					
45	SEQUENCE DESCRIPTION:					
	GATCTTCCCA CACCAGCCTC					60
	CCCAGGTAAC ATGTTTATTG					
	TACTATCATC TCTTAAATNT					
	TNTNATAAAT ATCATGCACA	ACTATAACCT	ATGGGAATNA	TGTAGTAACA	CAGATTATTC	240

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ATCTTGTTAG AGTTGTATTA AAAATAAACA AGCATTTCAA ATTAAA

	SEQ ID NO:2892					
	SEQUENCE LENGTH: 2	286				
	SEQUENCE TYPE: nuc	leic acid				
5	TOPOLOGY:linear					
	CLONE: HUMGS03434					
	SEQUENCE DESCRIPT	TION:				
	GATCCAAGAC CAGGGT	GGTT GGGGGCTGC	C CCTGGCCGAG	TCACTGAAGC	GACTNATGTC	60
	CCTGTNTCCA GGACGA	NCTC CTCTCCTAC	T TTGGGACGCC	CACGTGGCAG	ACCGTGACCA	120
10	TCTTTGTGGC GGNAGT					
	CCCAGCTGCC TTGGAC	TGTG TTTTTCCTC	G GGTAANNNGN	GGCATTNTTC	TGGGAGGGGT	240
	GGGGATTGGG GGACAT					286
15	SEQ ID NO:2893					
	SEQUENCE LENGTH: 2	85				
	SEQUENCE TYPE:nuc	leic acid				
	TOPOLOGY: linear					•
	CLONE: HUMGS03435					
20 .	SEQUENCE DESCRIPT	ION:				
	GATCTGCNGG GGCNTG	TNCA GCTGCAGCA	T TCCTGAAAGA	TTTCGTAACT	CATCCTAAGT	60
	GGGCACATTT AGACAT					120
	AAGGCATGAC TGGGAG					
25	ACAATGCTTA GTTCAG	ATAC TCAAAAATG	T CTTCACTCTG	TCTTAAATTG	GACAGTTGAA	240
	CTTAAAAGGT TTTTGA	ATAA ATGGATGAA	A ATCTTTTAAC	GGAAA		285
•	SEQ ID NO:2894					
	SEQUENCE LENGTH: 2	84				
30	SEQUENCE TYPE:nuc	leic acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03436					
	SEQUENCE DESCRIPT	ION:				
35	GATCAGCTCT TTCTAT	TTTT ACTCGTAAA	A ATTATGGAAA	TAAATAATTT	TGCTAACAAC	60
	TTTGAAATTT CAAACT	TCTG GAAAANATG	A AAATATTCAT	TGTTCATTAT	GAATTTAAAT	120
	TGTAAGGTAT GAATGT	NATT TGTCTGTAC	A TCTTGTATCT	TTTCCAAAAA	ATGATTCTGT	180
	ATCTTTTGGA AAAAAG	CCGA GAGTTGAAG	A TAGTATATTT	CTGGTAGTAC	TGAATATTTA	240
	CTTACAGTTT CTATCA	TTTATATAT AAAA	G TTTCTAAAAT	TAAA		284
40						
	SEQ ID NO:2895					
	SEQUENCE LENGTH: 2					
	SEQUENCE TYPE: nuc	leic acid				
45	TOPOLOGY: linear					
	CLONE: HUMGS03437					
-	SEQUENCE DESCRIPT					
	GATCTCCTTG TTAGTG					
	CATACCTTTN ATTTNG	ALCC PPTCTPAAT	ር ፕፕፕፕልፕልፕልል	TANNCATTT	TTGAAAAGCC	120

	AACTCTTAAA ACTAAAACAA ACTTAACAGT CTGTCAAGTT GGTGATATAA CCCCACAGAA 180
	GACTTACTIC AAGTGACTIG AAAACTTAGT ATTITGTCTG INCITITGCTA ATGGGNATAN 240
	ATCCTACAGA CCAAACANCC NCAGNTAANT CTTAANCTGC AAA 283
5	
	SEQ ID NO:2896
	SEQUENCE LENGTH: 279
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
10	CLONE: HUNGS03438
	SEQUENCE DESCRIPTION:
	GATCCCGGGA GACCTGGGGC TGCCGAAGAA GCTCTGCTCC AAATGGAGAG TGTAGCCTGA 60
	GGGCTGGTGT TGCCTGCCTC CCCTGTNCTT GTNCCTTGTC CCAAAATAAA TCCTTTCAGA 120
15	ATGTAGCACT CACGNCCTAA TAAGGAGCGA ATCCTACATC CACCAAGGCG GGCGCTCTGG 180
	CCCTCCCTTC CTTAAGCCCA GTCCTGTGTC CTCTGAAAGA GGTTGCAGTC ACTCACACCN 240
	GCTTGCGCTC ACCATCAATA AAAGTAATTT CACCNGAAA 279
	SEQ ID NO:2897
20	SEQUENCE LENGTH: 278
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS03439
05	SEQUENCE DESCRIPTION:
25	CATCCCCTCC CCCAACATTC CCCCCCCCCCCCCCCCC
	GACCGACTAC CCCAAGATAC TCTTTGTGGG GAAGAGGGGC TGGGGCATGG CAGNCTGGGT 60 GACCGACTAC CCCAGTCCCA GGGAAGGTGG GGCCCTNCCC CTAGGATGCT GCAGCAGAGT 120
	GAGCAAGGGG GCCCGAATCG ACCATAAAGG GTGTAGGGGC CACNNNNCTC CCCCTGTNCT 180
	GTTGGGGAGG GGTAGCCATG ATTTGTCCCA GCCTGGGGCT CCCTCTCTGG TTTCCTATTT 240
30	GCAGTTACTT GAATAAAAAA AATATCCTTT TCTGGAAA 278
	SEQ ID NO:2898
	SEQUENCE LENGTH: 276
35	SEQUENCE TYPE: nucleic acid
	TOPOLOGY:linear
	CLONE: HUNGSO3440
	SEQUENCE DESCRIPTION:
40	GATCTGCTTA CCAAGCATAT TAGGAAATAC CTCTTAGGAA GCATTAGCGG TCTCAGGCCA 60
 0	ATTACTGTGG AGCAGCTTTC ATTCCTACCC ACTTGCAAAC CTTGGCGCTG TTGTCTGAGA 120
	TTGCTGCAGC CATTCTTGTT ACCATGGTAC TTCTCAAACT TTGTGAAAAC CTGCACTTTT 180
	CCTTGCATGA CAGGTTCCTG TCTTGTCTGT CATGGGAGCC ATTCTGCCAA TTTAAATGCG 240
	ACTGTGGTAT AAACAGTAAA ATGATTTAAA AGTAAA 276
45	CEO ED NO COOC
	SEQ ID NO:2899
	SEQUENCE LENGTH: 274
	SEQUENCE TYPE:nucleic acid
50	TOPOLOGY:linear CLONE:HUMGS03441
	ODORE - NURUAUA944 I

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	SEQUENCE DESCRIPTION:	
	GATCAGTGTT ATATTTTACT GGAGAAGCTA TTGAAGATGA TGATGATGAT TATAATGAAG	6
	AAGGTGAAGA AGCGGATGAG GTAATGTTTA CCAAATAAGC AAATAATTCT NTGTGGTTAA	12
5	CACATTGAGA AGCAAATTGA ATNACTTATG TATTCCTTTG CTATAATCAT TCTGTGATTT	18
	GGGATAAAAA CATTTTGGAA AACATGATTT TAGAATTCTA CAGCCAAACA ATGTATGTAT	24
	AAGGTTTCAA TAAATAANTT COLLAIOTOL GAAL	27
	·	•
10	SEQ ID NO:2900	
	SEQUENCE LENGTH: 273	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
•	CLONE: HUNGS03442	
15	SEQUENCE DESCRIPTION:	
	GATCCCCACC TGCCATCCTA TAGTGTTGTC TTCCTGTGTG TTCCGGGGCT TCTGGGCAGC	60
	TGGGCCTGCC CGGGGAAGTC CTTGCAGGTG GGAGGCCATA CAGAGACCCA CTGTGTGCCA	120
	CTGAGCGTCC CACTGCTGCT GGGCAACTGG AGGACTGCAG GGGGCGCCAG GTGACTCTCT	180
20	CCTTTTATAT CACAGCAGCT CCTGTGCTGA CCTTCAAGTT ACGTTTTGGA ACTGTAATAC	240
	TAAACCAACA AATAAACTIC TAATTOOTOO	273
	SEQ ID NO:2901	
	SEQUENCE LENGTH: 359	
25	SEQUENCE TYPE:nucleic acid	
.0	TOPOLOGY:linear	
	CLONE: HUMGS03443	
	SEQUENCE DESCRIPTION:	
30		60
	TAAAACAGCC TNCGGAGAAT NNNTGACTTG CTTTTCTAAA TCTNAGGTTT ATCTGGGCTC 1	120
	TATCATATAG ACAGGCTTCT NATAGTTTGC AACTGTAAGC AGAAACCTAC ATATAGTTAA 1	180
	AATTCCTGGTC TTTCTTGGTA AACAGNTTTT AAATGTCTGA TATAAAACAT GCCACAGGCG 2	240
15	AATTCGGGGA TTTNAGTTTC TCTGAATAGC ATATATNTGA TGCATCGGAT AGGTCATTAT 3	300
	GATTTTNNNC CATTTCGGCT TCATAATGNA AACCAGTTCA TTTTACCTAT CAGGTTATN 3	359
	SEQ ID NO:2902	
	SEQUENCE LENGTH: 268	
	SEQUENCE TYPE:nucleic acid	
10	TOPOLOGY: linear	
	CLONE: HUNGS03444	
	SEQUENCE DESCRIPTION:	
	GATCAGAGCA CAGTTGAAAT TCATGGAACT GGCATTATTT AAGCAACCAG AATTCCACAC	60
5	TGTAGGAAGG TTTTGAAAAT TGTTTCGTTA TAGATTTTAT CTTATCTTTT GGTGTTGTCT 1	
•	TGGTTTTTCT CATAGACTTT ATAAGTTTGA ACTGGACTTA TTTGATTATA ACCACAAATT 1	20
	GTGTGTGTGT GTGTGTGTG ATATATAGAA GTCATTATGG CAGATGCACA AATTGTGCAG 2	OU.
	TCATCTALLT ATACATACET CACACAAAA	68
	2	.00

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SEQ ID NO:2903

	SEQUENCE LENGTH: 264					
	SEQUENCE TYPE:nucleic	acid				
_	TOPOLOGY: linear					
5	CLONE: HUNGS03445					
	SEQUENCE DESCRIPTION:					
	GATCGGTAGT GTTGTGTGTA					60
	TGTGTTGCAG AATGGAGTTC					
10	CCTGCGGTAG CTAGCACTGA					
	GAAAGGGGAA ATCAANTTAA		AGACATANGG	AAATTTAAGG	AAAAACAGNT	
	TTAGGANCAG TTACTCAGCG	TAGN				264
	SEQ ID NO:2904					
15	SEQUENCE LENGTH: 258					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03446					
20	SEQUENCE DESCRIPTION:					
20	GATCCATAGT GAAATTGCCA	GAGTTTTGCC	TGCTGCTTTC	CTCGTGGCCT	CTTCTTGGGT	60
	AGTGAAATNA AGTGACATTT	GGATTTTAAT	TTGGGTGGGA	GGGCTGGGAC	AGTTTTTNTT	120
	CTAGAAATGT CTGTTGAGAT	TTCCCCCTTT	AGTTTCCAAC	CTTCTCCCCA	ACCCTTGGAG	180
	CTAAATGCGT TGTAAAATAT	TGCCAAAATG	AAAAGTGTTT	TGTAATACTG	CAATAAAGGC	240
25	TGCTTGTTTT TGTGGAAA					258
	SEQ ID NO:2905					
	SEQUENCE LENGTH: 264					
20	SEQUENCE TYPE:nucleic	acid	•			
30	TOPOLOGY: linear					
	CLONE: HUMGS03447					
	SEQUENCE DESCRIPTION:					
	GATCGGACAT GAAAGNACCC	TGNGAGTCGA	TTGTCCTANC	TCCAGCGGCC	CTGTCATCCA	60
35	GCTCACTCAT CAATGGGGCC	AGTCAGGCCC	AGGCACTGGG	CTCCGGAGGA	CTCACCACTG	120
	CCCCCTGCTG CCATGTGGAC	TGGTGCAAGT	TGAGGACTTC	TTGCTGGTCT	AGTCACGCAT	180
	GCAGTGTTGG GGGATGCCTT	GGTTTTTACT	GCTCTGAGAA	TTGGTTGAGA	TACTTTTACT	240
	AATNAAACTG TGTAGGTTGG	GAAA				264
40	SEQ ID NO:2906					
	SEQUENCE LENGTH: 257					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
45	CLONE: HUNGS03448					
	SEQUENCE DESCRIPTION:					
	GATCTGCTTT CAACACTTTT	AGCTCTTCTA	GAATTTCAGA	AAAATGGTAT	CGGATGTACA	60
	GCATGGACCC TTCTNTGGTG					
	TTNAGTGTCT CTGCAGTCCA					
50	GGCTGAGTAG TATTTCATTG	TATAATTATA	CCACTATTTG	TNCATTTACT	AGATAATANN	240

	CAGTTGGCTT GTTTAAA					257
5	SEQ ID NO:2907 SEQUENCE LENGTH:256 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS03449 SEQUENCE DESCRIPTION: GATCCATCCG CCTTGGCCTC CCATATAATC AAATTTTAT AAATCGAGCA ATTTTCTATT TAAAGGGATA GTTAGGAGTA TAGTGATTCT GTATTN	TGATTTTAGA GTATAGAGTG	GCAAAGGACT AAAGTCAAAC	TTTTCAATGT TTGTTTATTG	AACTGCTTAG TACAAGTCTT	120 180 240
15	TAGIGATICI GIATIA					256
. 20	SEQ ID NO:2908 SEQUENCE LENGTH:256 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3450 SEQUENCE DESCRIPTION:	acid	· .			
	GATCTAATTA AAAAAAAGGC					
25	TCANAACTCC CTGATGAATT TTGTCAGTGT ATCCAGTTAC GGTTATTTCA TCTTAATCTC ATATTTTAAA ATCAAA	AGAATGCTAC	ACACTTACCT	TTTTATTGGC	TGAGAAATCT	180
30	SEQ ID NO:2909 SEQUENCE LENGTH:255 SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear CLONE:HUMGSO3451 SEQUENCE DESCRIPTION: GATCAAACCA GCTCTTNTNA					60
40	TCCTTCCCAG CTGAGATGTG CACAAGCTCA CTCCCAGAAC TAGGAGGGGA AAAAAAGGCT TCTTGCAAAN TTAAA	CGCAGCTGAT	GTTTATAATA	ATCGTATGTA	CTGTGCAATT	180
45	SEQ ID NO:2910 SEQUENCE LENGTH:254 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3452	acid				
50	SEQUENCE DESCRIPTION: GATCTGCCCT GTACAGCCAT	GTAGGCTGTG	CGCTGCATAA	CTCCAGGGAC	ATGAGTCACA	60

5	GGTGAATACA TGCTGAATTG CATTCAGTAT GGCTGTGAAC TAGGCCTGGG GACAAGANTG 180 ANTTTTACAT GGAAAGAATT TCCTGTAGCA GGAACAGAGG GGATAACAAC AGCAGTAAAT 240
	SEQ ID NO:2911
10	SEQUENCE LENGTH: 253 SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS03453 SEQUENCE DESCRIPTION:
15	GATCCCCCAC TAGTNCCCTC CCTCTNCCCC TGTAATCCTG GTCTAATAAC CCCCCACACA 60 TACACCTCTG GTGACCTATT TGCACAGACC GTNGTCTTCC CTCCAGTNTT CTNAGGGATA 120
	GGGGACATTC CATCCCAAGC TTCTNCCTTA CCCACACCTA TCCTTTTNAG GGGCTTTGGG 180 GTGGGGCTGG GGCAAGCAGA GGGACTGGGT CTTCACTTCT NGGGCTAATA AAATTGTTTC 240
20	TTTGTGGACT AAA 253
20	SEQ ID NO:2912
	SEQUENCE LENGTH: 253
	SEQUENCE TYPE:nucleic acid
25	TOPOLOGY: linear
	CLONE: HUMGS03454 SEQUENCE DESCRIPTION:
	GATCAAACCG GTTCTNTCCT TTCTTGTGTT GCCATGTTAC TATGCCTCAA GCCCAGTTTN 60
	CTTTTNCCGC AGCGATGGGG CCAGTCTCAT TCCTCCCCAG GAGTGAAACT NGCTTCANCT 120
30	GAAAAGGTTG GGTGCATTGT CAGTAAAAAG GGCTTATTTG TTTCATTTNA CTTTCCTGCA 180
	AAATTTTCTT CAAAGCAACA AGTCCTAGGN GCACACAAAG CAACCCAAAG GCTTTTCCCT 240
	GGAAAAGCTC TTN 253
35	SEQ ID NO:2913
	SEQUENCE LENGTH: 254
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear . CLONE: HUMGSO3455
40	SEQUENCE DESCRIPTION:
	GATCCGGGGC ATGCAGAAGC TGAGCACACC CCAGAAGAAG TNAGGGTCCC CGACCCAGGA 60
	GAACGGTGGC TCCCACAGGA CAATCGCTGC CCCCCAACCT CGTAGCAACA GCAATACCGG 120
	GGGACCCTGG CGGCCAGGCC TGGTGCCATG AGCAGGGCTC CTCGTGCCCC TGGCCCAGGG 180
45	GTCTCTTCCC CTGCCCCNTC AGTTTTNCAC TTTTGGGGTT TTTTATTGNT ATTAAACTGA 240
	TGGGNCTTTN TAAA 254
	SEQ ID NO:2914 SEQUENCE LENGTH:249
50	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear

5	CLONE: HUMGS03456 SEQUENCE DESCRIPTION: GATCCTTGTT TTGTTGTCAT AGGCACAGCC AAAATTTAGA AGCTGTCTGT ACTTTGGGGA AGATTGCTTC CAAATTGGGG CTTCCACCN	GGAAACTTCG AGCTTGCTAC CTACATTGCT	TCCTACGACT GAAGGAAAAA	CGGCCTATAA AATCACTCCC	GGAAGAGAGA TGGCTAATTA	120 180
10	SEQ ID NO:2915 SEQUENCE LENGTH:249 SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY:linear CLONE:HUMGS03457 SEQUENCE DESCRIPTION: GATCCAGGCC GGGCCTATAC	AGAGGTGCTG	GCTGCTTGTT	TACATTOTOO	TCTGGGGCTC	60
	TACCTCTCCA CACTTCCCCA					
20	CTCCTTGGTG GGCAGCATCC					
20	GCATCTGGAA CGCCAGGTGG TATTTGATN	GTTTTTNTGG	CATAGGAGCC	CACTTGCATT	TTCATAGTTT	240 249
	SEQ ID NO:2916					
25	SEQUENCE LENGTH: 249			•		
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS03458					
	SEQUENCE DESCRIPTION:					
30	GATCACAGCC TCCAGGGCCC	CCCAAATCCC	AGGGAAGGAC	TTGGAGAGAA	TCATGCTGTT	60
	GCATTTAGAA CTTNCTNCTT	TGCACAGGAA	AGAGTCACAC	AATTAATCAA	CATGTATATN	120
	TCCNCTATAC ATAGAGCTCT					
	GCAGTAGATG TNCTTCTGAN	CCGCAAGGNG	CAAACACTGA	AATAAAATAG	TTTATTTTNC	240
35	ACACTCAAA	•				249
	SEQ ID NO:2917					
	SEQUENCE LENGTH: 249					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS03459					
	SEQUENCE DESCRIPTION:					
	GATCTCCTTT TGTGAAAACC	AGTTTGATGT	CCTAAAAGTA	AAAGTCTAN	TTTCCAGTGT	60
45	GGTCTTGTTC AGAAGCAGCC					
	TGCCCTTTCC CTTCAGAAAA					
	CTCCAACCCA AACTAGCTGG					
	TTGGTCAAA					249
50	SEQ ID NO:2918					

	SEQUENCE LENGTH:	: 245				
	SEQUENCE TYPE: no	cleic acid				
	TOPOLOGY: linear					
-	CLONE: HUMGS03460)				
5	SEQUENCE DESCRIE					
	GATCTATCCC TGCG		C TTCCCTAACT	AACTCCCACC	CCACACACCA	co
	GCCTAGCGGA NCCAG					
	AGCTCCTGCC ACATO					
10						
	AGCTNCTTAA TCCTN	MUCCI NCCCCIGIG	I ATTUACUACU	AATAAATCAG	ACCATGAAAA	
	CCAAA					245
	CEO ID NO. 2010					
	SEQ ID NO:2919	204				
15	SEQUENCE LENGTH:					
	SEQUENCE TYPE:nu	cleic acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03461					
20	SEQUENCE DESCRIP					
	GATCAGGAAA CCAGA					
	GGGACTTTTG AGTTA		•			
	GAGAATAAAC GCCTT	_				
	CTGCTGAGTG AGGAA					
25	GGAAGAAAGG GTAAT					
	GCGTTGTGTG CCAGG		G TTNGCAGAAG	CTTTCAGATT	CGTCCGAAGG	360
	GAAATAAAGT GTGTT	GGCGT TAAA				384
	CEO ID NO. 2020					
30	SEQ ID NO:2920	0.40				
	SEQUENCE LENGTH:					
	SEQUENCE TYPE:nu	cleic acid				
	TOPOLOGY:linear					
	CLONE: HUNGS03462					
35	SEQUENCE DESCRIP					
	GATCCCAGCA GCCCT					60
	NTTCTCAATC TAAAT					
	TGTTTTGTAA TNAGA					
40	CAGCCAGGCC AGATG	ACCTG ATTCCAGCA	A AAATAAAACT	CAGATTTGGG	CAAAATGAAA	240
40	220 ID V2 2224					
	SEQ ID NO:2921					
	SEQUENCE LENGTH:					
	SEQUENCE TYPE:nu	cleic acid				
45	TOPOLOGY:linear					
	CLONE: HUMGS03463					
	SEQUENCE DESCRIP					
	GATCCCTAGC AGCTC					60
50	CTAACCTATT TATTG					
50	ATTTNTTTTT GGGCT	GGAAT GCTGCCCTG	A GGGTGGGGCT	GGCTCTTACT	CAGGAAACTG	180

	CTGTGCCCAA CCCATGGACA	GGCCCAGCTG	GGGCCCACA1	GCTGACACAG	ACTCACTN	238
	SEQ ID NO:2922					
5	SEQUENCE LENGTH: 238					
-	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03464					
	SEQUENCE DESCRIPTION:					
10	GATCACCGGT TTCCGACTGA		TTTGGCCTTG	TTGACCCTCC	TAGGTGCCCT	60
	GGGAATTGCA AACAGCTTTC					
	GCGGCAATTC TAACTTTTTC					
	GGTAATATGG TATCATTTGT					238
15		•••••••••••••••••••••••••••••••••••••••			TOTTUNAA	230
	SEQ ID NO:2923					
	SEQUENCE LENGTH: 238					
	SEQUENCE TYPE: nucleic	acid .				
	TOPOLOGY: linear					
20	CLONE: HUMGS03465					
	SEQUENCE DESCRIPTION:					
	GATCTACTGT GTGGTGTCTG	GGCAGATGAA	AGTACACTGC	TTAGNGTGAT	GCTTAGCATG	60
	GGGCAGATGC TTGGTAAATT					
25	TGCCTCTNAA ACGCTTACGG					
	TATTGAACAT TTCGGGGAAG					238
	SEQ ID NO:2924					
30	SEQUENCE LENGTH: 347					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03466					
	SEQUENCE DESCRIPTION:					
35	GATCTATGGT GCAGACTGCC					60
	ACAGCTGGAT TNCTTGATGA					
	AGGAAGCTCA ACTCCAGTAA					
	CTTTGACCAC TGTCTTTTGA					
40	ATAATACATG TTCACTTTAT				GGAGTTTCAT	
	TGTAACTGTC CTTTNTAATT	IAIAIAAATG	TATTATINIC	CTATAAA		347
	SEQ ID NO:2925					
	SEQUENCE LENGTH: 236					
45	SEQUENCE TYPE: nucleic	acid				
45	TOPOLOGY: linear	acru				
	CLONE: HUMGS03467					
	SEQUENCE DESCRIPTION:					
	GATCCTGTGA TATGGTTTTN	GGCCCAGCAA	ATCTAGGAGA	AGATGCAATT	AAAAACTTCA	60
50	GAGCAAAACA TCACTGTAAT					

	TTAATCAGTA TA						180 236
5	SEQ ID NO:292						
	SEQUENCE LENG						
	SEQUENCE TYPE	E:nucleic	acid				
	TOPOLOGY: line	ear					
10	CLONE: HUMGSO3	3468					
70	SEQUENCE DESC						
	GATCCCGCAT GC						
	GACTTCCATT CO						
	CAGTGTGGAT TT						
15	TGGTAAAGGA CG				ACATTGTATA	ATGATATGGA	240
	ATAAAATGCA CA	TTGTAGGA	CATTTTCTAA	A			271
	SEQ ID NO:292	.7					
	SEQUENCE LENG		•				
20	SEQUENCE TYPE	nucleic	acid			•	
	TOPOLOGY: line						
	CLONE: HUMGS03	469					
	SEQUENCE DESC	RIPTION:					
25	GATCTAAAAT GT	TTATTCCT	TCTGTAGTGT	ATTAATCTCT	GTGTGTTTTC	TTTGGTTTTG	60
	GAGGAGGGT AT						120
	TGTCTACTGG AC						
	CTCACTTCTA AA	TTAATGGT	AAAATAAAAT	GCCTCAGCTA	TGTAGCAAAG	GGAAA	235
30	SEQ ID NO:292	0					
	SEQUENCE LENG						
	SEQUENCE TYPE		aaid			•	
	TOPOLOGY: line		aciu				
35	CLONE: HUMGSO3						
	SEQUENCE DESC	_					
	GATCCATCTN CC		AGTGTTCAGG	TACAGCAGCT	GAGGCTGCCC	TGAGGAATCA	60
	NGGGGCCATT AC						
	TGACCCAAGA NC						
	TTNGACTTCA CC						234
	SEQ ID NO:292	a					,
	SEQUENCE LENG	-					
	SEQUENCE TYPE		acid				
	TOPOLOGY: line		aciu				
	CLONE: HUMGS034						
	SEQUENCE DESCI						
	GATCTCAAAT CC1		CGATTTCAAT	CTACGTTCTA	GTCACTGGCC	TCAAAGGACC	60
	CCACAGCACC TG						

	GGCGGACCTG GGGCCCCGAC					180
	CCAAACTNAG CATGACTCCT	GTCCTCTTCA	ATAAAGACGT	TTCTATGGCC	AAA .	233
5	SEQ ID NO:2930					
	SEQUENCE LENGTH: 231					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUNGS03472					
	SEQUENCE DESCRIPTION:					
	GATCAGCAGA AAGCACAAAC					
	GCANCCGTTG GTGCCCTGCA					
15	GAAGGTTATG TGAAGATACT ATTCACAAAC TTGTTCAAAG					
73	ATTORCAANC TIGHTCAANG	IUUAAIAAAU	GIIGGCIIII	IAAAIIIIAA	А	231
	SEQ ID NO:2931					
	SEQUENCE LENGTH: 231					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03473 SEQUENCE DESCRIPTION:					
	GATCAGCAAA AATAAAGGGG	CTACAGAAAC	ል <i>ርተር ል</i> ተተተተ	ATCCTCTTCC	CTCTTCCCCCT	60
25	TCATGCAAAG ACAATTCTNT					
	AGTCCATCCT TGTTATAAAA					
	GTAAAATAAC TCATTTAATA					231
	SEQ ID NO:2932					
30	SEQUENCE LENGTH: 230					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03474					
35	SEQUENCE DESCRIPTION:	•				
	GATCCCACCC CCAGCCATTT	GCATTGCTGG	CCCAGCGCCT	GGCCTGGGGG	GCGGGGAGAG	60
	GCAGCAGAAG GGGCTGGGCA					
	TATGGCGGCT GAGCCAGGGN				CCTTGCTTNN	
40	AAGCTGTNTC CGACCCCACC	ATNTAATAAA	ACCCAAAGGA	ACAGCCCAAA		230
	SEQ ID NO:2933					
	SEQUENCE LENGTH: 328					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY: linear					
	CLONE: HUMGS03476					
	SEQUENCE DESCRIPTION:	6.460				
	GATCAGCCGG AAACCCCTGG					
50	CTTCCAGCAC CTTCTCTCTC CAATGCTGCG TGTGAGGCCT					
	oraciona inimunancei	* * I I I I I I I I I	IOIIIIONCI	CICILICIAN	THOTTOUR	100

	CTTACCTTTT AGATTCTTTT ATTTGTTTCT TTAACATTAC ATAGNGGGCT CTGGNTTNTT	CAAAAGCAGG			
5	SEQ ID NO:2934 SEQUENCE LENGTH:220				
10	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3477	acid			
	SEQUENCE DESCRIPTION: GATCTTGCCC GGTGTCCTGG GCAGGTCCTG GGGGCCTCAA				
15	CCTTTGTCTA TTTNAAAGCG ATACCAACGT AAGGAAATAA	AATTTTGTGT	GATTTCCTGC		
_	SEQ ID NO:2935 SEQUENCE LENGTH:219	٠			
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03478	acid			
25	SEQUENCE DESCRIPTION: GATCCGAGGG CGATGGGACA GAAACGGGGA CACCACCTCC				
	ACCCAGCAAG GCTGTTGTNT AGGGTGGCCT GTCCAGTCCT	GTATGGAAGG	ACACGCTCGC		
30	SEQ ID NO:2936 SEQUENCE LENGTH:218				
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03479	acid			
35	SEQUENCE DESCRIPTION: GATCACCTGA GGTCAGGAGT				
40 .	CTAAAACTAC AAAATTAACC AGAAGAATCG CTTAAACTCG TTCCAGCCTG GACAAGAGGA	GGAGGCGGAG	GTTGCAGTGA	 	
	SEQ ID NO:2937 SEQUENCE LENGTH:218				
45	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03480	acid			
50	SEQUENCE DESCRIPTION: GATCATGCCT GCGTGACAAA GCTGGGTTGG CGAACACATC	-			

	CCTTCCAGAC CTCACCCTGT ATCCCCTGTA ATAAATCAGC			TCATTTGTAT	CCTTTAAAAT	180 218
5	SEQ ID NO:2938 SEQUENCE LENGTH:218 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03481	acid				
10	SEQUENCE DESCRIPTION: GATCTAAACA GTGAATAGTA TAGTAGCAAA ATNAATGCCT GGCCAGGTTG TGGCTGCCTT AGCTTNATTA AAGTCACAAC	TGTGGATGAG TGTGTTGTAC	GTTTAGGGGC TAAGGGGTTT	CAATAACTAT	CTTGAGGTAA	
			0,0011,001			210
20	SEQ ID NO:2939 SEQUENCE LENGTH:218 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03482	acid				
	SEQUENCE DESCRIPTION: GATCCCTTTG CTGTGAGGGT	AGAAAACCTC	ACCAACTGCA	CCAGTGAGGA	AGAAGACTGC	60
25	GTGGATTCAT GGGGAGCCTC AGGACGTTCT TTCCTTACTG GACCTGGCCT GGAATAAATA	GTGCTGATAA	CAACAGGGAA			
30	SEQ ID NO:2940 SEQUENCE LENGTH:216 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS03483					
35	SEQUENCE DESCRIPTION: GATCTTAGAT TTGATGAAGC AAAAGCAAGA AGTATTTTT NTTCCTTTAA ACACGATTCT	TTTTGNAATG	NCTGAAAGCT	GTTCTGTGGA	TGACCTACCG	
40	ATAAACTTGA GCTGGAATTT	GAGGCTTGCC	TGGAAA			216
	SEQ ID NO:2941 SEQUENCE LENGTH:213 SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear CLONE:HUMGS03484 SEQUENCE DESCRIPTION:					
	GATCTCGGGG GTGTGGGGCC TTCAGGCCTT TGGGGTATTC					60 120
50	GCTTGTCTGG ACTTCGGAGT	TGGGGGTGGT	CAGACACCAC	AGGAGCTGTC	ACCTCCTGCG	180

	GATGGGCAAA TAAATTNGTG	GAGGACNCCG	AAA			213
5	SEQ ID NO:2942 SEQUENCE LENGTH:212 SEQUENCE TYPE:nucleic	aaid	C			
	TOPOLOGY:linear CLONE:HUMGS03485	aciu				
10	SEQUENCE DESCRIPTION:	T0.100.101.mg				
	GATCCTCTCC CCTAGTATNT					
	ATGTTCATTA ATTCATATTG					
•	AGTAGTTTTG TTAAGTCTTA CTTAACAATA AAAAGGATGT			ATTTIGATAC	CICITIATGA	
15	CITACOATA AAAAUATUI	AIGUIIIINA	AA			212
	SEQ ID NO:2943					
	SEQUENCE LENGTH: 212					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear	•				
	CLONE: HUMGS03486					
	SEQUENCE DESCRIPTION:					
	GATCTTTTCA GAGTGGTGTT					
25	GCCTAAAGTG ATGCATTTNC					
25	GTTTTCTNCA ACTGTATNNA			AACTTATCCC	ATTGTATTTT	180
	TNATAAATAA ATATTTTTT	TGAACTTTCA	AA			212
	SEQ ID NO:2944					
30	SEQUENCE LENGTH: 212					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03487					
	SEQUENCE DESCRIPTION:					
35	GATCAAGGAT GAGGATTAGC	ATCTGCAAAT	TGAACTCTAT	CTAATTTNCA	TNTTTATTTC	60
	TTAGAATTGT AATTAAATTT					120
	TTGGGTGACT GAAATGCAGT	TAAGTGAATT	NCCTTTTNTT	AAAAGCAAAT	GTAGATTATN	180
	CAATAAAGCA GCAAACCAAT	ATTAANCATA	AA			212
40						
	SEQ ID NO: 2945					
	SEQUENCE LENGTH:211					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
45	CLONE: HUMGS03488					
	SEQUENCE DESCRIPTION:	•				
	GATCTATGTA AAAGAATACA					
•	GGAAACACTA AATAGTGTAA					
50	AGATAAATAA TTGNTTCATT			AGGATGAAGT	AAGAGGAATG	180
	CATTCATTTA AACATGCTTT	GCTTGNTGAA	A			211

5	SEQ ID NO:2946 SEQUENCE LENGTH:209 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03489	acid				
10	SEQUENCE DESCRIPTION: GATCAAAGAA CTTTTCTTAT CTTGACTGCC TATGGAGGAA AGATTTTCTG CTGATAATCT TGATTCACCT AAAAATGTGT	GACTGTGTTC TTTACACCTT	GGGGGAGCTG	GCATAGCTAG	TGCAGAGTTC	
15	SEQ ID NO:2947 SEQUENCE LENGTH:208 SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear CLONE:HUMGSO3490 SEQUENCE DESCRIPTION: GATCTTCTCT GTGAATCCAC AGGCCAGGTG GGCCCTCAGC TGGCACAGGC CAGGCAGCCC	TGAGGGAAGG	TACGAGCTCC	CTGCTGGAGC	CTGGGACCCA	
25	CCCAGCACAA TAAAAATGAA	ACGTGAAA				208
30	SEQ ID NO:2948 SEQUENCE LENGTH:207 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03491 SEQUENCE DESCRIPTION:	acid				
35	GATCACACTT NGGCCTTCAC CCTCCGAGTC CAGGTGGACT CCCACTNACC NACAGCATCC ACACTATAAA GTGTTTTTAA	CTGTGGATGT GCCGCCACCC	TTGGATGTGG	CCCGAGCAGG	CTCAGGCGGC	
40	SEQ ID NO:2949 SEQUENCE LENGTH:203 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03492	acid				
45	SEQUENCE DESCRIPTION: GATCTGAAAA TTCTTGGAAA ATTCTGAATN ATTAAATCGT TGTTGCTGTA TGTTTAGATG AATATCCTTG TACTTCTTTG	TTCATTTTCT CTTTCCAATC	AAATGCNTTA	TAATGTGTTT	AGCCCTTTCT	

5	SEQ ID NO:2950 SEQUENCE LENGTH:201 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03493 SEQUENCE DESCRIPTION:	
10	GATCTTNTCT GTNTGGGTGG GGAGCCGGCC GGCCGTGACC CAACGGCATC CCAAGGCCAG GTGGGCCCTC AGCTGAGGGA AGGTACGAGC TCCCTGCTGG AGCCTGGGAC CCATGGCACA GGCCAGGCAG CCCGGAGGCT GGGTGGGGCC TCANTGGGGG CTGCTGCCTG ACCCCCAGCA CAATAAAANT GAAACGTGAA A	120
15	SEQ ID NO:2951 SEQUENCE LENGTH:200 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03494	
20	SEQUENCE DESCRIPTION: GATCGTATAT GTGGGTCCCT TCCCTAGAAG AATGGTTGCT GATATGGCTA CTGCTTCTAC ATCTNGAGTT TTTNAATTTA CTTTTTTNAC ACTGTAGCAT TGAGACTGCT TGATTCAAGT CTGGTGCTTT GCCAGATGTA TTAATTNCCA TAAATGCTTT GTGAGTTTGG TTAAAATGAA	60 120 180 200
25		
30	SEQ ID NO:2952 SEQUENCE LENGTH:199 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03495 SEQUENCE DESCRIPTION:	
35	GATCACAGCC GGAATGCAGC TGAAAGATTC CCTGGGGCCT GGTTCCAACC GCCCACTGTG GACTCTAAGG CCTCTGCATT TGTGGGTGGT CTGNCTGTAA TATTTTGGTC ATNGGCTGGT CTGGTCGGTT TCCCATTTGT. NTGGCCAGTC TCTATGTGTC TTAATCCCTT GTCCTTCATT AAAAGCAAAA CTAAAGAAA	60 120 180 199
40	SEQ ID NO:2953 SEQUENCE LENGTH:319 SEQUENCE TYPE:nucleic acid	
45	TOPOLOGY:linear CLONE:HUMGS03496 SEQUENCE DESCRIPTION: GATCTCTAGT TTTTNTGGTT TAATTTTNAG TAGCAGGTCA AAAACCTGCC CTCCTGTNAC TTATTCCCTG AGACTTTTCA GGAGAGCCAG CCCACAGATG ATGAAGAAAT GATGGAAGTT 1 CATTTGGAGA GTCAAATGGG AAAAAAACAA ACAAAAAACT GCCTTTAATA CAGGCAATTC 1	180
50	AGTGGACTAT AATAATAGTG GAGGGTTGAG ATGTAGAGTT TTTAAAAAGT GAACAGTTGC 2 TGTTCTTACA TCTNTAANGA AAGCCATAAT GTCTTTAAAT CACTCTTCTG TAAATAGATG 3	240

5	SEQ ID NO:2954 SEQUENCE LENGTH:193 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03497	acid				
10	SEQUENCE DESCRIPTION: GATCCTTAAT GCAGAGCTAG AGGGCATGAA AACTTAGAGA AATTTTATAT GGGCTTTGTT TGTTAAAGCT AAA	GGTACAAGTG	GCTGAAAATC	GAGTTTTTCC	TCTGTCTTTA	
15	SEQ ID NO:2955 SEQUENCE LENGTH:193 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03498	acid .				
20	SEQUENCE DESCRIPTION: GATCTGTTTC ATTTATAAAA GGTTTTATCA TTTTGCCTAA TATGTGTGAA TTATATTTCT ATATATATAT ATN	AATAGGATAT	AAAAGGGACA	AAAAATAAGT	AGACTGTTTT	
25	SEQ ID NO:2956 SEQUENCE LENGTH:193 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE: HUMGS03499 SEQUENCE DESCRIPTION: GATCCAAGAA TGTGCCAAGA					60
35	CATGTGCAAT AGGGAGGGAC GGGCAGGGGG AGAAGGTATT GTTGCCACTC AAA					
40	SEQ ID NO:2957 SEQUENCE LENGTH:192 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03500 SEQUENCE DESCRIPTION:	acid				
45	GATCTGGGAG CAAGCTACCA ATACTGCCTG CTTCTCCCAC GCAAGGAAAG TAATGAGGTG CTGCAGTCTA AA	CTNCTCANAG	CCACAGGAAA	GAGGAGGTGA	CAGAGAGAGA	120

	SEQ ID NO:2958 SEQUENCE LENGTH:190	
5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
J	CLONE: HUNGS03501	
	SEQUENCE DESCRIPTION:	
	GATCAGCCTG GGCATCATGG TGGCCTGCAC CTGTAGTCCC AGCTACTCAG GAGGCTGAGG	co
	TGGGAGGATA GTTTGACCCC AGAAAGTTGA GGCTGCAGTG AGCCATGAAT GCACCACTAC 1	60
10	ACGCCAGCCT GGATGACAGA GCGAAACCCT GTCTCAAAGT AATTAATAAT AATTATATTA 1	
	ATTGACGAAA	190
	SEQ ID NO:2959	
15	SEQUENCE LENGTH: 190	
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE: HUMGS03502	
	SEQUENCE DESCRIPTION:	
20	CATCTCCTTC CCACTCTCAC TOGGCONLTCC	60
	GTTTGATAAA TTTGTTGTAT TCAAAAACTT GAAATGCAGG ACGCCATTAA GTGTCTGTTT 1	
	ATATTINTGG AATATTIGTA TTACTTACAA TTAATTAATA AAAGTGGGTT TAAAAAAACCT 1	
	TTCC ACC 4 A 4	90
25		
	SEQ ID NO:2960	
	SEQUENCE LENGTH: 193	
	SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY: linear	
	CLONE: HUMGS03503 SEQUENCE DESCRIPTION:	
	CATCTTCCCC COTTTCACCT BOOODANAGO ATCCTCACCA	
	TGGCTCACAG GAAAGTGTCT GCAGTAGGGN ACCCAGAGTC CCAGGCCCCT GGAGTTGTTT 12	60
35	TCGGCAGGGG CCNTNTCTCT CACTGCATTT GGTCAGGGGG GCATGAATAA AGGCTACAGG 1	
	CTCCALCNTO ALA	93
	SEQ ID NO:2961	
40	SEQUENCE LENGTH: 185	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear CLONE:HUNGS03504	
	SEQUENCE DESCRIPTION:	
45	CATCA ATOTO A A ACTIATORY ACCOUNTS A CONTRACTORY	
70	CGCCAGTGGA TTCGCCTCAA GGTTGAGGCC GCCATTGGAA GATGAAAAAT TGCACTCCCT 12	60 20
	TGGTGTAGAC AAATANNAGT TCCCATTGGT GTTGTTGCCT ATAATAAACA CTTTTTCTTT 18	
	TT 4 4 4	85
50	SEQ ID NO:2962	

5	SEQUENCE LENGTH:191 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03505 SEQUENCE DESCRIPTION:	acid				
	GATCCAACGA GGAATATTTT					60
••	TTGATAGAAA GGTAAAGAAT TATGTGCTTA TCGTGTAACT					
10	ACATAACCAA A					191
	SEQ ID NO:2963					
	SEQUENCE LENGTH: 177					
15	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03506 SEQUENCE DESCRIPTION:					
	GATCAGAAAT GGAGCATGGC	ሮፒፕሮፕሮሮፕኖፕ	AATGGGGATG	CAAATAAAGT	TTGTGGGGTT	60
20	AAAAGTTATA AGACAGNAGT					
	AATGACAGGT TAAATATTTG					177
05	SEQ ID NO:2964					
25	SEQUENCE LENGTH: 176 SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	acid				
	CLONE: HUMGS03507					
	SEQUENCE DESCRIPTION:					
30	GATCACAGNG NTGGTGTCAA	ATNCTATTNN	AGGTTTGAAC	TCTTGAGCTG	GAACCTCAGC	60
	AAACTAGAGT ATATATTGTT					120
	ACAGAAATTT CTGAACTTTA	GTAAAAAAAA	ATAAAGTTAA	ACTTTTAAAA	CTCAAA	176
35	SEQ ID NO:2965					
	SEQUENCE LENGTH: 172					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
40	CLONE: HUMGS03508					
	SEQUENCE DESCRIPTION:					
	GATCTGAACG ATGCCGTGTC					60
	TTTGTTCAGG TGGGGATGTA GATGGGAGTC TGGCAAGAGG					
45	UNIUUUNUIC IUUCANUNUU	AAATIUGAAG	ALAAAALAAA	IAAIAAGIGA	AA	172
	SEQ ID NO:2966					
	SEQUENCE LENGTH: 172					
	SEQUENCE TYPE:nucleic	acid				
50 .	TOPOLOGY:linear					
	CLONE: HUMGS03509					

	SEQUENCE DESCRIPTION:					
	GATCTGCTCT GCTGCCCTGA	ACTCTTACGO	CAATTTAGGT	TTCTCATTTT	NNTTTTCTTT	60
	TTACATATGT ACAAATTGTT					
5	AAATGGGAGT TGTCAGAGCA					172
3				7.1.2.1.07.07.07.1		112
	SEQ ID NO:2967					
	SEQUENCE LENGTH: 170					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear					
	CLONE: HUMGS03510					
	SEQUENCE DESCRIPTION:					
	GATCTCTAAT ACAGTATCTA	ACACAAAAGA	AGCTTTAAAA	AGACAGTTTC	TTTCCTTATT	60
15	TGATTAGCTA GAAGTTTATC					
,,	NCATTGGGGT TCTTTTATA					170
						1.0
	SEQ ID NO:2968					
	SEQUENCE LENGTH: 355					
20	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03511					
	SEQUENCE DESCRIPTION:					
25	GATCCAGGCG GGAGCAGAAG	CTAAAGCCAA	AGCCCAAGAG	AGTGGCAGTG	CCAGCACTGG	60
	TGCCAGTACC AGTACCAATA					
	TGCTGGTGCC AGCCTGACCG					
	TGGTGCCAGC ACCANTGGCA					
	ATATTGTTAA TCCTGCCAGT					
30	CTACTCNACA CAGCACTTCT					355
	SEQ ID NO:2969					
	SEQUENCE LENGTH: 258					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03512					
	SEQUENCE DESCRIPTION:					
	GATCTCGGAT GCCATCCCCG					
40	GACCCTGAAG TGAGCCGCTG					
	TCACTGNAAA GCCGTTGCAG					
	TNTTGACATC NTCATGCCTT	CCAAATTGTG	GGTGGCTCTG	TGGGCGCATN	ANTNANAGCC	240
	GTCCTTGATT TTGGGAAA					258
45	ano in un com-					
	SEQ ID NO:2970					
	SEQUENCE LENGTH:81	•				
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					
J U	CLONE: HUMGS03513					

5	SEQUENCE DESCRIPTION: GATCACAAGA GGCCCATTTG AAAATAGCTC TNTCTTTCAA		TTGACAACGG	CTGGNGCAAA	TTAAATAAAT	60 81
10	SEQ ID NO:2971 SEQUENCE LENGTH:169 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03514 SEQUENCE DESCRIPTION:					
15	GATCTNAGAC ATCCCCATCT CCACCATGCT TCTAAGCAGC CACCTCCTNT NGTGTTGAGC	TGTNTTCCCC	CTGCTAATGT	TACAACCAAA		
20	SEQ ID NO:2972 SEQUENCE LENGTH:168 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03515	acid .				
25	SEQUENCE DESCRIPTION: GATCTCATTA CTGCTTTCT CCTACAAGTT TACTTACTGT TGGCTATTTG ACTATTGTGT	TTGCATTTAC	TTTTTCTTTG	CATTGTCTGT		
30	SEQ ID NO:2973 SEQUENCE LENGTH:225 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03516	acid				
35	SEQUENCE DESCRIPTION: GATCTTGCTG CAGCCACAGT TGGCATCACT TACTAACACA GANTGTCAGT ATACAAGNAG AATGTTTTT TTTTTNTTTC	CGNCATGCGG GGATAGAAAA	CTTTTCTGCA CTGGTACTGT	TCAACTGCTA TTTAAATAAT	TGACGGTTAA	
40	SEQ ID NO:2974 SEQUENCE LENGTH:169					
45	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03517 SEQUENCE DESCRIPTION:					
50	GATCTTCTGT GGTGCTTAAG AGCCATCATA ACCATTGAAT GCAAATGGNA AAGGTCAATA	AGCATGCAAG	GGTAAGAATG	AGTTTTTANC		60 120 169

5	SEQ ID NO:2975 SEQUENCE LENGTH:167 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03518 SEQUENCE DESCRIPTION:
10	GATCCCAACT CCCATGACCT CTGGCTTCAG TGGTGGGTGG GGCAGGGCAG
15	SEQ ID NO:2976 SEQUENCE LENGTH:167 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGSO3519 SEQUENCE DESCRIPTION:
20	GATCAGNAGC CCACTGATAA GGGGCCCTAG GGTACAGGGT GCTGCCCAGC AGGTCGCCAC 60 CGAGTGTCTT CTCATTTTAT TTCAGCTCCA TTTTGCCCAT AGATGGGCAG AGGGGTGAGA 120 TTGGCTCATC CCCCTTCCAG ATTCTGCAAT AAAGCGGTGT GAGGAAA 167
25	SEQ ID NO:2977 SEQUENCE LENGTH:167 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03520
30	SEQUENCE DESCRIPTION: GATCATTCCC TCTTTTNGGA TGTATAAGAN CCTTCCGGAC AACAGAACCT ATTTNTGGAA 60 TTGCAGAAGA TAACATATTT CCCTTATTTN NATTTAATCA CCATAAACCA TACCTATTTA 120 ATGAGTGTAT TCTGTGCAAT TTTTTCCTCA GATTGTNTTT AACTNNN 167
35	SEQ ID NO:2978 SEQUENCE LENGTH:166 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03521
40	SEQUENCE DESCRIPTION: GATCGACTGC CAAGCAGCAG CCGCTGCCGA GGGGCTGCGT CTGACATCCT GACCTCCTGG 60 ACTGTAGGAC TATATAAAGT ACTACTGTAG AACTGCAATT NCCATTCTTT TAAATGGGTG 120 AAAAATGGTA ATATAACANT ATATGATATA TAANCCTTAA ATGAAA 166
45	SEQ ID NO:2979 SEQUENCE LENGTH:165 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
50	CLUNE · HIMCOUSESS

	SEQUENCE DESCRIPTION: GATCTGGGCG GGGTGGTGCG ATGTCCCCAG CTCTGGGAGG	GGTTTGCTAC	TGGCCTCCTA	CTTTCCTCCC	
5	GTGCTCCTCT AGAGAGCTGC	GACTTTAATT	AAAAACAACA	GGAAA	165
10	SEQ ID NO:2980 SEQUENCE LENGTH:165 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03523	acid			
15	SEQUENCE DESCRIPTION: GATCAGTGTC AGATATTGTT AAAAAAGCCC AGTTTGTTTT GANTATTGTG TTTAACCACA	TCAGAAGGTG	ACTTTNATGT	GCTTGAAAAG	60 120 165
20	SEQ ID NO:2981 SEQUENCE LENGTH:163 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		·	
25	CLONE:HUMGS03524 SEQUENCE DESCRIPTION: GATCATGAAA TAATGTGCTT TTNAATCATG TATAATATTC TAGAAGCAAT ATTTCTTCAA	CATGATACTT	TTATAGAACA	ATTCTGGCTT	60 120 163
30	SEQ ID NO:2982 SEQUENCE LENGTH:162 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
35	CLONE:HUMGS03525 SEQUENCE DESCRIPTION: GATCCGCCTG CTTCGGCCTC CCAGGTTTNA TTATTTAANT GTAATCATGC TCATATTTTT	TAGTTAAACT	TTGGATAGAT	TGTATAATAT	60 120 162
40	SEQ ID NO:2983 SEQUENCE LENGTH:161				
45	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03526 SEQUENCE DESCRIPTION:	acid			
	GATCACTTGT TGTTTTACTA CTCTCCCGGT TCTTCCAGTG TCTCCAATAT CAGTGCTCGA	GTTTGAGACA	CTGGTTTACA	CTTTATGCCG	60 120 161
50		anonona i dh	MULIAMOUN	n.	101

5	SEQ ID NO:2984 SEQUENCE LENGTH:161 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03527 SEQUENCE DESCRIPTION:	
10	GATCTGAGGT CTAACATTGT TATCCTATAT CATTTTCATC CCAAGTAGTG ATATCTGTGA 6 AATCACAGGT TTGATGTGTG CTAATNATGT ATTCTTCTAA TACATATTAA AAGACATAAC 12 TATCAAAACA AAATAAATTT GTCTGTTTTC AACCAAAGAA A 16	0
15	SEQ ID NO:2985 SEQUENCE LENGTH:161 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03528 SEQUENCE DESCRIPTION:	
20	GATCTCCATT TGATATTTTC ATTTGTATAA CTCATTTGCA GTCTGAAAAT TTTTTTTAGT 60 GCCAGTCCCT GAACATATCA TTGAAAGTTA ATTTTCTTTG CATTTTAAAA TATCTGGATT 120 ATGAAGAAAA AGTGATGAAA ATAAATTAAA ACTGAATTAA A 160	0
25	SEQ ID NO:2986 SEQUENCE LENGTH:160 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03529	
30	SEQUENCE DESCRIPTION: GATCTGTGCT AGCTGTGAGG CAGCTCTGGA ACGTGAAGAG CTGTTTGGTT TGAACCGTGA 60 ACAAAACTGT GTTTTGAGTT TAGCTGACAT TATGGAAAAA AGTTCATCAC GTGACTGTTA 120 ATGTAAACCT GGTTATTAAA ATAACNATGA AATTACCAAA 160	0
35	SEQ ID NO:2987 SEQUENCE LENGTH:157 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03530	
40	SEQUENCE DESCRIPTION: GATCTCTCTG TNACTGACTT TGTGACTGTC CTGTGGTTTC TCCTGCCATT GCTTTGTGTT 6: TGGAAGGACA TGATGGGGGT GATGGACTGG AAAGAAGGTG CCAAAAGTTC CCTCTGTGTT 12: ACTCCCATTT AGAAAATAAA CACTTTTAAA TNATAAA 15	0
4 5	SEQ ID NO:2988 SEQUENCE LENGTH:157 SEQUENCE TYPE:nucleic acid	
50	TOPOLOGY:linear CLONE:HUMGS03531	

	SEQUENCE DESCRIPTION:					
	GATCAAANCA CCTNGGAGTG	GTCACCAGGG	GGACAGGGAG	CCCCCACCA	ATGTATCANT	60
	GGGTGATTTA TNATGCCTTC	TGCCCTTTGG	CGAGTGAATG	GNTTTCCCAT	AGGGGAAGTT	120
5	GGCCTCCCTC CGTGAGCTTT	GGAAATNTTT	TCTAATN			157
	OPO ID NO COO					
	SEQ ID NO:2989					
	SEQUENCE LENGTH: 157	1				
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03532					
	SEQUENCE DESCRIPTION:					
	GATCCGAATG GNCTGGGTGA					60
15	TTTGTAAGGN ATGAAGACCC			GTCCATACAT	ACTCTCCGAA	
	GATAGCAACT TGCTTCAGGT	CAAAGTNAAC	CCNAGAN			157
	SEQ ID NO:2990					
	SEQUENCE LENGTH: 114	•				
20	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03533					
	SEQUENCE DESCRIPTION:					
25	GATCTCCTTA CGTAGCAGCC	AAAATAAATG	AAGCAAAAGA	CTTGCTAGAA	ACAACCACCA	60
	AACATTGATG CTTAAGGACC					114
	SEQ ID NO:2991					
30	SEQUENCE LENGTH: 155					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03534					
	SEQUENCE DESCRIPTION:					
35	GATCTGATTT ACAAGAAAAA					
	TCATTGTTTC TTAATTTCAT			TGATTCAGAT	TCCATTTTCT	
	CAGAGAATTA AAAACAAAAA	AAGTACTCTT	GTAAA			155
	SEQ ID NO:2992					
10	SEQUENCE LENGTH: 156				•	• •
,	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03535					
15	SEQUENCE DESCRIPTION:					
	GATCTATTTC TNAGTATGTG	GTTCATGCTG	TTGTGAAAAA	TGTTTTACCT	TTNACCTTTG	60
	TCAGTTTGTA ATNAGAGGAT	TTCCTTTNAC	CCTTTGTAGC	TCAGAGAGCA	CCTGATGTAT	120
	CATCTCAAAC ACAATAAACA	TGCTNCTGAA	GGCAAA			156
0	SEQ ID NO:2993					
	DEG ID NO. EJJJ					

	SEQUENCE LENGTH: 154 SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS03536					
	SEQUENCE DESCRIPTION:	BB + #445B44B	0000101010			
	GATCAAATTA GTAATTNNGT					
	AAGCACATTT TCAGACTGCA GAAAAATTAC TTATNGGATA			TULAAAGACT	GAGCAGAACT	_
10	UMAMATIAC ITATAUGATA	INCALICINA	NCIN			154
	SEQ ID NO:2994					
	SEQUENCE LENGTH: 154					
	SEQUENCE TYPE: nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS03537					
	SEQUENCE DESCRIPTION:					
	GATCTCATTT ATAATTAAAT					60
20	NAAGAAATTG TGATTAAATA			TTNCAGTTAT	TTTAATTAGT	
	TACTTCATTT AANCTTTTGG	CATTNCATGA	TTTN			154
	SEQ ID NO:2995					
	SEQUENCE LENGTH: 153					
25	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03538					
	SEQUENCE DESCRIPTION:					
20	GATCATATAT GINTTAGTGG					
30	TTTGTAAAAA CTATAGTTAA			AAAAATATAT	TTTGGAAAAT	
	TGTATACTGT CAATTAAAGT	GTTTTTGTGT	AAA			153
	SEQ ID NO:2996					
35	SEQUENCE LENGTH: 153					
33	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03539					
	SEQUENCE DESCRIPTION:					
40	GATCAAACTA CACATGNGTT					
	TATGNAATCA AGGCACACTC				CATACTCAAT	120
	GCCTCAGACT TTCATATTTC	TGNNGTGCTG	NNN	•		153
45	SEQ ID NO:2997					
45	SEQUENCE LENGTH: 152					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03540					
50	SPOURNCE DESCRIPTION.					

5	GATCCCAGCA TCTTCTCCAC CGCCAAATCA CCAGTATTTG AATAAAGGAT ATGAAGGTGG	CTTATATAGC	AATGAGTTTT		60 120 152
10	SEQ ID NO:2998 SEQUENCE LENGTH:152 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03541 SEQUENCE DESCRIPTION:	acid			
15	GATCATTTGG ATATAGCAAT TCACTTATAA TTCCAAAAGA CATATCACTT TTGGGTGGTA	TGACTACAAC	CATGTCCATG		
20	SEQ ID NO:2999 SEQUENCE LENGTH:152 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03542	acid .			
25	SEQUENCE DESCRIPTION: GATCCCTGTN TGCNCGNCCC ATTTATATAT ATAAATATCT AAACAAAAAC ATCCTCACAA	ATATGANGCT	CTTAAAAAA		
30	SEQ ID NO:3000 SEQUENCE LENGTH:151 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03543	acid			
35	SEQUENCE DESCRIPTION: GATCCAGAAG CAAACACAAG AGCCAAGATA AGAGAGGAGT GGNAAAGAGA AAGANGCAAA	ATGANGAGAA	ANTCAGAAAG		
40	SEQ ID NO:3001 SEQUENCE LENGTH:151 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
45	CLONE:HUMGS03544 SEQUENCE DESCRIPTION: GATCTGGAGA TAANTTTATG TTACTGGCTG TTTGACCTTA	GGCAAGCCAC	TCCTCCTTTN		
50	TGTAAGATAA AAAGAATGAN	TCATTACTAA	A		151
	SEQ ID NO:3002				

	SEQUENCE LENGTH:150 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
5	CLONE: HUMGS03545 SEQUENCE DESCRIPTION:
	GATCAGGGCT GGGGCGGGGA AACAAGGGAA GGACCTTGGA AGGGGCTGNN CCCAGGCCTG 60
10	GGGGGCAGTC GTGGGAGCCC CTCTCANCTG TGGGGCTGGC ACAGAGCCCC AGGCAAGCTT 120 TTAATAAACT GTTGGTTATT CTAACAGAAA 150
10	
	SEQ ID NO:3003 SEQUENCE LENGTH:149
	SEQUENCE TYPE:nucleic acid
15	TOPOLOGY: linear
	CLONE: HUMGS03546
	SEQUENCE DESCRIPTION:
	GATCTCAAAA ATAGGTAATT TTTCTTTGCC GACCTGTAAA AGTGTGCCAA TACACTAAAT 60 TTGTGATTTT AAATTAATTC CTCCAGCTGT TGAAATGAAG TCTGCCAAAT CTTGCTCTAA 120
20	CAAATAAAAT GTTATCTAAA TGAAGTAAA
	110
	SEQ ID NO: 3004
25	SEQUENCE LENGTH: 149 SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS03547
	SEQUENCE DESCRIPTION:
30	GATCCTAAAA GGGAAAATTG CCTTGGTAAC TTTNAGATTC CTGTGGAATT GTGAATNCAT 60
	ACTAAGCTTT CTGTGCAGTC TCACCATTTG CATCACTGAG GATGAAACTN ACTTTNGTNT 120 TTNGGAGAAA AAAAACTGTN CTGCTTGTN 149
	TINGGAGAAA AAAAACIGIN CTGCTTGTN 149
	SEQ ID NO:3005
35	SEQUENCE LENGTH: 242
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
	CLONE: HUNGSO3548
40	SEQUENCE DESCRIPTION:
	GATCCTAGGA TGCGTCCCAG ACGCTCAGTC AGAAGTGCTG GAGGTGGGGC CTGGGAAGCT 60
	GTATTTGTAA TNAACTCTGG NGTTTTTTGT CCATTAAAGT GTATCTTTGT CCATCCTATA 120 AGNTTANNGG AAAGAAAAG CATCTCAAAT NAGTGTAAGT TGTTCTTGAG AAAAAAATGT 180
	ATCAGACTIT TATGATTIGA ATGAAATGTA TTATAGNAAA ANATAAACAC NTTTAAANTA 240
45	AA 242
	SEO ID NO. 2005
	SEQ ID NO:3006 SEQUENCE LENGTH:148
	SEQUENCE TYPE: nucleic acid
50	TOPOLOGY: linear

	CLONE: HUMGS03549					
	SEQUENCE DESCRIPTION	(:				
	GATCCAGTTG TACTTAAG	TG TGTAACAGGA	ATATTTTGCA	GAATATAGGT	TTAACTGAAT	60
5	GAAGCCATAT TAATAACTI	C ATTTTCCTAA	CTTTGAAAAA	TTTTGCAAAT	GTCTTAGGTG	120
	ATTTAAATAA ATNAGTAT	G GGCCTAAA				148
	SEQ ID NO:3007					
	SEQUENCE LENGTH: 148					
10	SEQUENCE TYPE:nuclei	c acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03550					
	SEQUENCE DESCRIPTION	f:				
15	GATCATCGTG CTCTCAGAC		GCCTCCCCTT	CTCCCTGCCT	CCAGAATGTT	60
15	CTGGGATAAC ATTTGGAGG					
	AATCCCCTTT TGGTGGTGT		••	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		148
	SEQ ID NO:3008					
20	SEQUENCE LENGTH: 148					
	SEQUENCE TYPE:nuclei	c acid				
	TOPOLOGY: linear	o della				
	CLONE: HUMGS03551					
or ·	SEQUENCE DESCRIPTION	1-				
25	GATCAGTCCA CCCAGAGTT		TTGTAGAAAA	CAGGTATTTA	TTATGTCTAG	60
	GGTTTTGTGT TTTTTTTT					
	ACCTTTNATA TAAAACCTT					148
30	SEO ID NO. 2000					
	SEQ ID NO:3009 SEQUENCE LENGTH:171					
	SEQUENCE TYPE:nuclei	a said				
	TOPOLOGY: linear	c aciu				
	CLONE: HUMGS03552					
35	SEQUENCE DESCRIPTION	1.				
	GATCGCTGTG GTTCTTAT		GTTTACTTGT	ATACGGAACA	ACCACAAGAA	60
	ATTTGATTCT GTAAAGAA	•				
	TTTAACAGAA TACCTGTGG					171
40		00/!!!!!	0	•••••		
	SEQ ID NO:3010					
	SEQUENCE LENGTH: 145					
	SEQUENCE TYPE: nucle:	ic acid				
45	TOPOLOGY: linear					
70	CLONE: HUMGS03553					
	SEQUENCE DESCRIPTION	₹:				
	GATCTTTTTA TTTTGCAA	C CTGGGCCAGC	TAGAAGCCAG	GAGCTGATTG	ACCTTTTAAC	60
	TTTTTTCAGT GGCCACAT					
50	TTTCTCTTCT CGALACAC	C TOAKA				145

5	SEQ ID NO:3011 SEQUENCE LENGTH:144 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03554	acid		
10	SEQUENCE DESCRIPTION: GATCATAGAG AATGGTGCTT TGTTTTAGAG AATCTTTGCT TAAATTATTT CATTATTAAA	GTGTATATGT	 	
15	SEQ ID NO:3012 SEQUENCE LENGTH:144 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03555	acid		
20	SEQUENCE DESCRIPTION: GATCTGCCCT NCTCCTTCTA NTGCTCACTA TGCCCTGTTT ATAACCCTTG TAAAGTGGGC	CTNTNCTAAA		60 120 144
25	SEQ ID NO:3013 SEQUENCE LENGTH:142 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03556	acid		
30	SEQUENCE DESCRIPTION: GATCCCCAGC TGCCTCACTT CCAGCATTAC CTTCCCTTCC NTAAACAGAA GTATAAAGGA	CTTGAAAGGC		60 120 142
35	SEQ ID NO:3014 SEQUENCE LENGTH:142 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		
40	CLONE:HUMGS03557 SEQUENCE DESCRIPTION: GATCAAATGT GCCTTAATAA ATTTTAATAC ACGTCATTGG AAATAAACCA GTGAACAATA	AGGGCTGCGT		
45	SEQ ID NO:3015 SEQUENCE LENGTH:147			
50	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		

5	CLONE:HUMGS03558 SEQUENCE DESCRIPTION: GATCTAAAGA AACAGTTGGC AAGAAAAAGT AAAAGACCTT AATAAATGTA CAATCTCTAT	GGCTCATAGA			
10	SEQ ID NO:3016 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03559	acid		1	•
15	SEQUENCE DESCRIPTION: GATCCCAGCA ATGAACTGTT TGGGGAGTGG GGTGGGGGGA ACGGACTCAT CTCTGGCAAA				
20	SEQ ID NO:3017 SEQUENCE LENGTH:153 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03560	acid			
25	SEQUENCE DESCRIPTION: GATCTCAGCT TTGAGAAGCC TGCTATTTAT TTTCCTAAAG CTTGANGCTG TGGCCTGAGT	AGAGTATTTT	TATACAAACC		60 120 153
30	SEQ ID NO:3018 SEQUENCE LENGTH:134 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid			
40	CLONE:HUMGS03561 SEQUENCE DESCRIPTION: GATCACGAAG GTGGTTTTCC CCTGCGATTT CCCCAAATGT GTTCGCGCTT TAAA				60 120 134
40	SEQ ID NO:3019				
45	SEQUENCE LENGTH: 131 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS03562 SEQUENCE DESCRIPTION:	acid			
50	GATCTATCTT NCAGAAAGTA CCAGCCACTT GTCCTAGCCA CCACANNNN N				

5	SEQ ID NO:3020 SEQUENCE LENGTH:131 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03563 SEQUENCE DESCRIPTION:	
10	GATCACTGTN ATGTGTGGTC CATCTCTGAC CAAAACGTTA TGCAGTACGT GACTGTATCC 6 TNATCCTCAA TAATCCTTGG TTATTATTCT AGAATTTCAA ATAAATGGAA TCATATCATT 12 TACTATGTAA A 13	0
15	SEQ ID NO:3021 SEQUENCE LENGTH:207 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03564 SEQUENCE DESCRIPTION:	
20	GATCCAGTGA ATGATTCAAG AGAGCTACAT TTGAAGCCTG TACAAAAGCT TATCCCTGTA 6 ACACATGTGC CATAATATAC AAACTTCTAC TTTCGTCAGT CCTTAACATC TACCTCTCTG 12 AATTTTCATG AATTTCTATT TCACAAGGGT AATTGTTTTA TATACACTGG CAGCAGCATA 18 CAATAAAANCT TAGTATGAAA CTTTAAA 20	0
25	SEQ ID NO:3022 SEQUENCE LENGTH:130 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
30	CLONE:HUMGS03565 SEQUENCE DESCRIPTION: GATCCTGAGA ATTACTTTTA ATAAAATCAT TTTTTTGCTG TTATTAAAAC TAGNCNNGAA 6 TTGCCTAAAN CCAAGAACTC TGCTTGATAA AATAAGCATA GTNTTAGGAA CAGCCATGCA 12 GATATAANTN 13	-
35	SEQ ID NO:3023 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic acid	
40	TOPOLOGY:linear CLONE:HUMGS03566 SEQUENCE DESCRIPTION: GATCATCGAC CCCCAAGGGA CCCGCAGACC CTTAAAAAAA TCACCCACAA CCCTCTGGAA GTGGCCTTGC CCGGTCCCCT TCCCAGGGGC GAGGTCGGCA AAGCAACATG GCAGAGCAGT 17	
45		29
	SEQUENCE TYPE: nucleic acid	

5	AGAATCCTCT ATGGGACTCT CTGTAAATNT TTTAAATACT GTTGTTTTCA ATAAATATTT 12	60 20 29
10	SEQ ID NO:3025 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03568	
15	SEQUENCE DESCRIPTION: GATCAGCTGT CCTCTCTGAA AAAAATTGCA CCNNTTTTTC TTTTTTAAAA TTTTGTTGCA 6 TCTTCGTAGT AATGTAATTG TATTTTATGC CTGCTTTTTT ATAAAAAAAT AAAATAAAAT	
20	SEQ ID NO:3026 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
25	CLONE: HUMGS03569 SEQUENCE DESCRIPTION: GATCTAAATN TGACTGTGGT TGCACATATC TGTGNATATA CTAAAAACCA NTGATTTGTA 6 CACTTTACAT GGGTGAGTTG TATGGTGTGT GAATTATATT TCAATAAAGC TGGGTTGTTT 12 TTTGTCAAN 12	
. 35	SEQ ID NO:3027 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03570	
40	SEQUENCE DESCRIPTION: GATCCCAGGA TTCAGTATTC CTGGCCCAGA GGNCNTTGCT GGCTACTGGG TGTTAGTTTG 6 CAGTCCTGTG TGCTTCCCTC TCTTATGACT GTGTCCCTGG TTGTCAATAA AATATTTCCT 12 GGCCTCCTGG AATCTNTAAA 14	60 20 40
45	SEQ ID NO:3028 SEQUENCE LENGTH:127 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03571 SEQUENCE DESCRIPTION:	
50		60 20

	TCTTAAA	127
5	SEQ ID NO:3029 SEQUENCE LENGTH:223 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	CLONE:HUMGS03572 SEQUENCE DESCRIPTION: GATCTAGAGT ATAAGCTGCG CAAGGGCAGA AGTTTTTATC TGGTTTGTTC ATGGATGTAT TCTAAGAGCT GAGAACAGGG CCTGGACACA ATAAGCATTC AATAAATATT TACTGAATGA 1 ATGAACTCCT ACCTATATTC CTATTTATAA TTTGGCTCCA CTTTATCCTA CTTTAGCTCC 1 CATTCAATTC AATAAAAAAA ACATTTTTTN GNACACATAT AAA	
15	on to an analysis of the second of the secon	
20	SEQ ID NO:3030 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03573	
25	SEQUENCE DESCRIPTION: GATCCATCTC AGTCACTTTT TCCCCTGCAA TGCGTCTTGT GAAATTGTGT AGAGTGTTTG TGAGCTTTTT GTTCCCTCAT TCTGCATTAA TAATAGCTAA TAATAAATGC ATAGAGNAAT 1 TAAACTGTGA AA	60 20 32
30	SEQ ID NO:3031 SEQUENCE LENGTH:123 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03574 SEQUENCE DESCRIPTION:	
35	GATCCAGTTT TNCTACAAAG AACAAAGTGG TTGACAACAG TGACAGTAAT TNCTGGAGCA AAACCAAAAG ACATAGGTAA AGANCATATA ATTGTTAATA AAGCACACTG CTTTCAACAC 1	60 120 123
40	SEQ ID NO:3032 SEQUENCE LENGTH:124 SEQUENCE TYPE:nucleic acid	
•	TOPOLOGY:linear CLONE:HUMGS03575 SEQUENCE DESCRIPTION:	•-
45	GATCCAAGTG TTTTAACAAT TGGGGCTGTT AAGTCTGACC ATACATCACT GTGATAGAAT GTGGGCTTTT TCANGGGTGA AGATACAAGT CTTAACCACA GTGTAACTTA CAGTTTCCTT TAAA	60 120 124
50	SEQ ID NO:3033 SEQUENCE LENGTH:270	

	SEQUENCE TYPE:nucleic	acid				
	CLONE: HUMGS03576 SEQUENCE DESCRIPTION:					
5	GATCAGAGCA AGCCTTGCCT	CTTATCTTCG				
	GCCACACAGA CTCTTCTGAG					
	GAGTGAAGGT GGGTNGAGTT NTTTGTAATT CTTCTTTGTC					
10	GCCTAATAAA CACATCTGGA			CACATOGITC	TATTTAAATA	240 270
	SEQ ID NO:3034					
	SEQUENCE LENGTH: 127					
15	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS03577					
	SEQUENCE DESCRIPTION:					
	GATCTCAAAG ATACACAGTA	CCTACTTAAT	TCCAGCTGAT	GGGAGACCAA	AGAATTTGCA	60
20	AGTGGATGGT TTGGTATCAC	TGTAAATAAA	AAGAGGGCCT	GGGAATTCTT	GCGATTCCAT	120
	CTCTAAA					127
	SEQ ID NO:3035					
25	SEQUENCE LENGTH: 120 SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	acid				
	CLONE: HUMGS03578					
	SEQUENCE DESCRIPTION:					
30	GATCCCTACC TGCTCCCCGC ACTCTGCATC ACTGTCATAC					
	ACTOTOCATE ACTOTOCATAC	ICACANCIIC	UIUAAIAAG	1101010011	IATICGIAAA	120
	SEQ ID NO:3036					
35	SEQUENCE LENGTH: 120 SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	acid				
	CLONE: HUMGS03579					
	SEQUENCE DESCRIPTION:		•			
40	GATCAGGGAC CTCACGCATC CATTINCTIC TCCGCTTATN					60
	ONTITUCTIC TECUCITATIO	MUNCIALLIA	NCITIAATAA	AGCACIGGAI	AIAAAIÇAAA	120
	SEQ ID NO:3037					
45	SEQUENCE LENGTH: 176	.,				
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS03580					
	SEQUENCE DESCRIPTION:					
50	GATCTAAAGC TNAACAATGA	AAATCTTCAG	CAGAAATAGA	AATNGCCGTG	GATTGTAATA	60

	CACACTGAAA TTCTNACTTT CTGTATGAGT ATTTCNAGTA					120 176
5	SEQ ID NO:3038 SEQUENCE LENGTH:119 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03581	acid				
10	SEQUENCE DESCRIPTION: GATCTGAAAT GTCTGAGAGT CAGTCCATTC TGTTTTNATT					60 119
15	SEQ ID NO:3039 SEQUENCE LENGTH:234 SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear CLONE:HUMGS03582 SEQUENCE DESCRIPTION: GATCAGAATA TGACATTGCA AGACACTTTT CTTTTATCCC CTATCCATAC AACCTGTATT	AGNCATCTCT	GAATTTACAT	TTTATATTAA	AGAAATTGAG	
25	GNTATGTAGG TCTAAAATAT					234
30	SEQ ID NO:3040 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03583 SEQUENCE DESCRIPTION:	acid				
35	GATCATGACA CTNAAGCGTG GGTCAATGAG AGAGGAGAGT TGAACACANG TN					60 120 132
40	SEQ ID NO:3041 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03584 SEQUENCE DESCRIPTION:	acid				
45	GATCCCTAAA AATGTTGAGG CACAGTATCT ACCCTTACAT					60 118
	SEQ ID NO:3042 SEQUENCE LENGTH:117					
50	SEQUENCE TYPE: nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGS03585 SEQUENCE DESCRIPTION: GATCGGACCG TTCATGCTGC GCATCCTGTG TACAACATGA			60 117
10	SEQ ID NO:3043 SEQUENCE LENGTH:117 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03586	acid		
15	SEQUENCE DESCRIPTION: GATCAGAAGT GGCAGTCTAT ATCGCTGTTG GACCTCTNAN			60 117
. · · · · · · · · · · · · · · · · · · ·	SEQ ID NO:3044 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03587	acid		
25	SEQUENCE DESCRIPTION: GATCTCCTCC ACCCTGTACC CAAGAGCAAG AAGAGAAACT		 	60 116
30	SEQ ID NO:3045 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03588	acid .		
35	SEQUENCE DESCRIPTION: GATCTGAAAT CNNGGTCTTC TGATGGGGCA GCAGTGACGC			60 116
40	SEQ ID NO:3046 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03589 SEQUENCE DESCRIPTION:	acid		
45	GATCCTGAAG AAATCATATG ATCAGATGTG CCTTGAGAAT			60 116
50	SEQ ID NO:3047 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic	acid		

	TOPOLOGY: linear					
	CLONE: HUMGS03590					
	SEQUENCE DESCRIPTION					
5	GATCCTTGGA CTTTGTGTT					60
	TTATTTCTGT TCTAAAAAT	A AGATAATAAA	TATTAACAAA	CTTTGCTTTT	TTAAA	115
	SEQ ID NO:3048					
	SEQUENCE LENGTH: 179					
10	SEQUENCE TYPE: nuclei	c acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03591					
	SEQUENCE DESCRIPTION					
15	GATCTCAACA AGAAGCTGT.					60
•	TTGGTTATCT AGTTACCAA					
	TTAACTGTTA AATGCGCTA	CCACCAATAA	TGAAATAGAC	CTTTATGAAA	ACTGTGAAA	179
	SEQ ID NO:3049	•				
20	SEQUENCE LENGTH: 239					
	SEQUENCE TYPE:nuclei	c acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03592					
25	SEQUENCE DESCRIPTION					
	GATCCTGAGG AAAGACTTG					60
	GCATAGATAG GTATAGTGG					
	GCAAAAGGAG TAATTGATT					
20	ATATTATTGG GATTTTCAC	C CAAAATAATG	CTTTTTGAAA	AAAGGAAAAA	AAAACCGGN	239
30						
	SEQ ID NO:3050					
	SEQUENCE LENGTH: 114		,			
	SEQUENCE TYPE:nuclei	c acid				
35	TOPOLOGY: linear					
	CLONE: HUMGS03593 SEQUENCE DESCRIPTION	_				
		•	CACCCTCTCT	CTNACTCCNN	<u>ሮሮሞ ለ</u> ሮፑፕሮሮ ለ	60
	GATCTTGGCT TTCTNTTTC					60 114
40	decayeeten tayaeeyan	UCCCCAGAIA	GGCAAACTTT	CITOTAGGCI	ICAN	114
	SEQ ID NO:3051					
	SEQUENCE LENGTH: 113					
	SEQUENCE TYPE: nuclei	r acid				
	TOPOLOGY: linear	c acro				
45	CLONE: HUNGS03594					
	SEQUENCE DESCRIPTION	•				
	GATCTGTATA TGCTATCCT	_	GTATTATTGA	TTATNTTGAT	TATCTTGCTT	60
	GAAGGTTCAT ACTTTTCAA					113
50						

5	SEQ ID NO:3052 SEQUENCE LENGTH:113 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS03595 SEQUENCE DESCRIPTION: GATCCTCTCT TCATTTTACT CAAGTATTTT TGTAAGAGGT	CAGCCAGGTT				60 113
10	VILLET TOTAL TOTAL	diminingii	UMTAAAAA	UUIAAAAA	AAA	113
15	SEQ ID NO:3053 SEQUENCE LENGTH:161 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03596	acid .				
	SEQUENCE DESCRIPTION: GATCGACAAG GAGTACTTGC					
20	GACAACCTCC ATTCTATTTT TAGTGAAATA ATAGAATGAG				ATGCTGTTTG	120 161
	SEQ ID NO:3054 SEQUENCE LENGTH:111					
25	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3597 SEQUENCE DESCRIPTION:	acid				
30	GATCCGNACC CCAAGCCCAT TGCNCTTCGC TCCCCGNCCT					60 111
35	SEQ ID NO:3055 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03598	acid				
40	SEQUENCE DESCRIPTION: GATCTAACAA GTTACATTGT ATTTATTTTT TATCCTGTCA				TCCAATGGGC	60 110
	SEQ ID NO:3056 SEQUENCE LENGTH:109 SEQUENCE TYPE:nucleic	aaid				
45	TOPOLOGY:linear CLONE:HUMGS03599 SEQUENCE DESCRIPTION:					
50	GATCTCCTCC ATCCTGCTGC CCTGGAAGAT GGAAATAAAC					60 109

	SEQ ID NO:3057					
	SEQUENCE LENGTH: 109					
	SEQUENCE TYPE:nucleio	acid				
5	TOPOLOGY: linear					
J	CLONE: HUMGS03600					
	SEQUENCE DESCRIPTION:					
	GATCAGAGTG TTNTAAATCA		ACCTTATCCC	TNCTCCLCCC	100101000	•
	GTGCTTCAGT GGGTCTGTNA				AGGACACGGG	
10	OTOOTTONET GGGTCTGTNA	CCCTCTCTCC	ITUANUCATU	TIGCIGNAN		109
	SEQ ID NO:3058					
	SEQUENCE LENGTH: 108					
	SEQUENCE TYPE:nucleic					
	TOPOLOGY: linear	acio				
15	CLONE: HUMGS03602					
	SEQUENCE DESCRIPTION:					
•			C. C			
	GATCCCTGAA TGTGAACCTG				GTGTTGGTTT	
20	TTCCCCCCA AAATGGGTCC	I AAUUAUUG I	AAAGTGACTT	GTTTCAAA		108
	SEQ ID NO:3059			•		
	SEQUENCE LENGTH: 108					
	SEQUENCE TYPE:nucleic					
	TOPOLOGY: linear	acid				
25	CLONE: HUMGS03603					
	SEQUENCE DESCRIPTION:					
		4.C.1.TTTTC.1.1.1				
	GATCAGTTTC TTTNGCTTCA				TGCAGATGAT	
30	TGTCCTTAAA ACCTAATGGA	AAANTAAAAG	ANAGACATAC	CATGGAAA		108
	SEQ ID NO:3060					
	SEQUENCE LENGTH: 107					
	SEQUENCE TYPE:nucleic					
	TOPOLOGY: linear	acıq				
35	CLONE: HUNGS 03604					
	SEQUENCE DESCRIPTION:					
		CTTC + CTCTC	4 4 C 4 4 C C T T T	T00TT00.4T4	+mamaa+++m	
	GATCCATCAT TGTTCACAAA				ATGTGCAAAT	
40	AGTTAAAACC ACTGTACTAT	AIACIIAAAA	AIGAITAAGA	TAGTAAA		107
	SEQ ID NO:3061					
	SEQUENCE LENGTH: 252					
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	aciu				
45	CLONE: HUNGSO3605					
	SEQUENCE DESCRIPTION:					
	GATCTGGCAG CTGAGGCCCG	AGGCAGGGTT	GGNGTGATCC	CAGGGCAAAC	TGGTGACCAC	en
	AAAACAGGAA NCGGGCTTTC					
50		ononiidu	TAMELOUGHA	JUNULLUNUL	ANULIAMIAL	120

	TGTCACAATT AATCACAAGT	GTACAGGATT	AGACTGGGTT	TATATTTAAC	TCTTGCTNCA	180
	TAGGTGTACC ATTTAAAGAG	TGTTATTTAA	TGCTAAGTTT	AACTGCTTTA	ATAAAGTTTA	240
	TTTTTAAATA AA					252
5						
	SEQ ID NO:3062					
	SEQUENCE LENGTH: 103					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear					
10	CLONE: HUMGS03606					
	SEQUENCE DESCRIPTION:					
	GATCAACAAA ATAACTTGTA	TCTCCTGCTT	AANTCCTTTA	TACTACCTGG	NGAAAAGTAT	60
	TTCCCATATT TCCAATAAAT					103
15						100
	SEQ ID NO:3063					
	SEQUENCE LENGTH: 103	•				
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear			•		
20	CLONE: HUMGS03607					
	SEQUENCE DESCRIPTION:					
	GATCCTGNAT NANGCCCGGG	CCAGCGAGTG	CAGGGACGTG	GAGGGNTTCA	AAACCGAGAT	60
	GGCCATGCTG GTGACCCAGG				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	103
25			00	•		
	SEQ ID NO:3064					
	SEQUENCE LENGTH: 159					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear		•			
30	CLONE: HUMGS03608					
	SEQUENCE DESCRIPTION:					
	GATCCTCACA GTCAAGTGAC	GAGGCTGGGG	CTGAAAGCAG	AAGCATGCAC	AGGGAGGAGA	60
	CCACTTTTAT TGCTTGTCTN					
35	ATAAAGGTNC CCTCAGCGGA	TGTGGGCCAT	GTCACCAAA			159
	SEQ ID NO:3065					
	SEQUENCE LENGTH: 102					
40	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03609					
	SEQUENCE DESCRIPTION:					
	GATCCTATCG CCTTTNAGTA				ATAAATAGGT	60
45	TATAATAGCC ATATNCTTNA	TNACTTTATT	GAGATATAAT	TN		102
	SEQ ID NO:3066					
	SEQUENCE LENGTH: 186					
50	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					

5	CLONE: HUMGS03610 SEQUENCE DESCRIPTION: GATCTNAGCT CCCACCTCCC TTCCCACCTA CTGCACTTC CCCCTTCCCG CCTTCCAAAA 6 CCTGCTTCCT TCAGTTTGTA AAGTCGGTGA TTATATTTNT GGGGGCTTTC CTTTNATTTN 12 TAAAATGNAA AATTTATNTA TANTCCGTAT TTAAAGTTGT AAAAAAAATA NCCACAGAAC 18 AGNGAN 18	0
10	SEQ ID NO:3067 SEQUENCE LENGTH:100 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE:HUMGS03611 SEQUENCE DESCRIPTION: GATCTCAGAC AGTGTGCGGC GGCACATGAG CGGCTTTCCG CAGTGTCCTG TNTTGAGCCA 66 CTGCAGTCTG GGCCCCATCA TTAAACGGGC TGCGTTTAAA 100	_
20	SEQ ID NO:3068 SEQUENCE LENGTH:98 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
25	CLONE:HUMGS03612 SEQUENCE DESCRIPTION: GATCTCCAGT NAGACTCCAG GGTTCTAGAC AGAGGCCAGT NTTGGCCACT CACCCCACAC 60 CCCGCGGACC CCAATAAAGG CTTGCATAGC TCCAGAAA 98	
30	SEQ ID NO:3069 SEQUENCE LENGTH:98 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
35	CLONE:HUMGS03613 SEQUENCE DESCRIPTION: GATCCTGAAG CTTNACCGGG CTCCAAAGGG CAAATGGAGC TGCCCTCNTC TGTATCAGGT 60 TTATTGGTTG TACATATAAA TNATACTTNC CTTTCAAA 98	
40	SEQ ID NO:3070 SEQUENCE LENGTH:107 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
45	CLONE:HUMGS03614 SEQUENCE DESCRIPTION: GATCCTGTTT AACAAAGATA CTTGAGACAT CCATTTGTTT TAATGAAATC TGTATGGATA 60 TGGAAATNCT TGCCCTAATA AAAGCCTACA TATACCTTCT GGTTAAA 107	
50	SEQ ID NO:3071 SEQUENCE LENGTH:97	

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03615 SEQUENCE DESCRIPTION: GATCTNTCCG TTCTCAGGCC TGCTGCAATN TTNAAATAAA	AGACCCCTGG		AATTTTTTTAA	TCTCTGTCTT	60
10	SEQ ID NO:3072 SEQUENCE LENGTH:95		АСАСАЛА			97
15	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03616 SEQUENCE DESCRIPTION:					
	GATCCTAAAC AAATCATCTT TGTCTTTATT AAAGAAAAAT			GCAAAAATTG	TTAAATCCTT	60 95
20	SEQ ID NO:3073 SEQUENCE LENGTH:94 SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear CLONE:HUMGS03617 SEQUENCE DESCRIPTION:					
_	GATCTAAGTG ATGAGTCTAG AACTTTTCAA AATAAAAAAT			TNCAACTTTC	CTGGAAAACG	60 94
30	SEQ ID NO:3074 SEQUENCE LENGTH:183 SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear CLONE:HUMGSO3618 SEQUENCE DESCRIPTION:					
33	GATCACTTTG AGAAACAAAC TAAAAATAAA TATTGTTCTG AAACAATTTT TTGTTTTTGT	ATTATNACTG	AAAAGATGTC	AGCCATTTCA	ATGTCTTGGG	
40	AAA					183
45	SEQ ID NO:3075 SEQUENCE LENGTH:92 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE:HUMGSO3619 SEQUENCE DESCRIPTION: GATCTGCCAT ATTTGNTNTT	ርር ጥጥጥል ልጥጥ	ጥ ምር ልጥ አጥጥር ል	CCCTALLCCT	<i>ርርፕፕር</i> ምምቱ ነ ቊ	co
50	NATATAGTAA TAAATCATTG			UCCIAAAGGT	UUIIUTITAT	60 92

5	SEQ ID NO:3076 SEQUENCE LENGTH:92 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03620	
10	SEQUENCE DESCRIPTION: GATCAGGCTG CCTCCTGGNT TGGNTGTCGG GGGAGCTGTC CGGCAGCCTG GCAGGGAGAT GCAAGGCCTA AAGTAAAATT TTNTCAAGTA AA	60 92
	SEQ ID NO:3077 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic acid	
15	TOPOLOGY:linear CLONE:HUMGS03621 SEQUENCE DESCRIPTION: GATCTAGCCC CTTCTTCAGG CCGAGAGAAT TTCGAGCGTT ANCCGTCTCT TGGCCACCAG	60
20	CTAAATAAAC GGATTCTTCA TGTGTCTCAA A	91
	SEQ ID NO:3078 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic acid	
25 .	TOPOLOGY:linear CLONE:HUMGS03622 SEQUENCE DESCRIPTION: GATCTGCTAT TGTTATTTCT CCTCTTTATT GGAAAAAGGC CTCAGTTTTA ATTATTTTCT	60
30	TCCCAAAATA AATNACACAT TTGGTTACAA A	91
35	SEQ ID NO:3079 SEQUENCE LENGTH:239 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03623 SEQUENCE DESCRIPTION:	
40	GATCCTGCAT CAGCATTGTA TATATGGNCT TAAGTGCCTG GCCTCCTTAT CCTTCAGAAT ATTTATTTNA CTTACAATCC TCAAGTTTTA ATTGATTTTA AATATTTTCC AATACAACAG TTTAGGTTTA AGATGACCAA TGACAATGAC CACCTTTGCA GAAAGTAAAC TGATTGANTA ANTAANTCTC CGTTTNNTTC ANTTNATTTC AGTGTAATGA NAANGTTGCT TAGTATTTN	180
45	SEQ ID NO:3080 SEQUENCE LENGTH:196 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03624	
50	SEQUENCE DESCRIPTION: GATCCCTGCC CTGCACCAGC ACCCTGANAT GGAGCTGAGA CTTTATTTAT TGGGGGTAGG	60

	GGGATGGAGG AGGTCCCTCC CCTGCCCCTG CCCCTGCCCA GCAATTTGTA TCCAAA					
5	SEQ ID NO:3081 SEQUENCE LENGTH:90 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS03625 SEQUENCE DESCRIPTION: GATCTGTGTA CTGTTTACTT TGTATTTTCT AATAAATGAC		AGAATCCCTT	GTATCTCCTT	TCTCGGGAAT	60 90
15						
	SEQ ID NO:3082 SEQUENCE LENGTH:90 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid ·				
20	CLONE: HUMGS03626 SEQUENCE DESCRIPTION: GATCTCTGGA AGTGTAATTN	TGAAAGAAAC	TTNCTTGCAG	CTTTAACAAA	ATGAGAAACT	60
	TNCCAAATAA AACTTGTTTT	${\tt GAAGTTTAAA}$				90
25	SEQ ID NO:3083 SEQUENCE LENGTH:89					
30 .	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03627	acid				
	SEQUENCE DESCRIPTION: GATCCTCGGG AAGAACAAAG TTAAATAAAG TTTACTAATT		CTTTTGTCTG	TTATTTTATT	TTTTTGAAGT .	60 89
35						
	SEQ ID NO:3084 SEQUENCE LENGTH:88 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE: HUMGS03628 SEQUENCE DESCRIPTION: GATCAATCTT TGATGGTGAG	CCTTTTACAA	ACCAAAAATS	TACTAAAATC	TCT A ATTTCT	60
	CTTAATAAAA TCTATCTNTA		AUUNAAAAA	INDIANAIU	IVIIIIIIII	88
45						
	SEQ ID NO:3085 SEQUENCE LENGTH:94					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	aciu				
50	CLONE: HUMGS03629					

	SEQUENCE DESCRIPTION:					
	GATCTAGATT GGGTGAGGGG	GACGGGGATG	TNAGGGAGGC	AAGTGTGTTN	TGTTACTGTG	60
	TCAATAANCT GGTTTAAAGT	TGTAAAGTGN	GAAA			94
5						
	SEQ ID NO:3086					
	SEQUENCE LENGTH: 89					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acra				
10						
	CLONE: HUMGS03631					
	SEQUENCE DESCRIPTION:					
	GATCTGAATT TCACAAAAAG		AATATATTAA	ATAGTACAGT	TTTATGTGCT	60
	TAATTAAAGA CTGTAAAACG	TAAAGGAAA				89
15						
	SEQ ID NO:3087					
	SEQUENCE LENGTH:84					
-	SEQUENCE TYPE:nucleic	acid ·				
20	TOPOLOGY: linear					
20	CLONE: HUMGS03632					
	SEQUENCE DESCRIPTION:					
	GATCATACCA CGGCACTCCA	GACTGGGGAC	CAAAGTGAGA	CCTTGTTTCT	AAAANTTAAA	60
	ATATTTAGAA TGTTTCCTAG		0.22.0.0.0			84
25	miniting to the collection	Onna				04
	CEO ID NO.2000					
	SEQ ID NO:3088					
	SEQUENCE LENGTH: 82					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUMGS03633					
	SEQUENCE DESCRIPTION:					
	GATCCCAAGG ATGGAGAACA	ACTTACCCAG	TAGCTAGAAT	GTTAATGGCA	GAAGAGNAAA	60
	CAATAAATCA TATTGACTCA	AA				82
35						
	SEQ ID NO:3089					
	SEQUENCE LENGTH:81					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear					
40	CLONE: HUMGS03634					
	SEQUENCE DESCRIPTION:					
	GATCTCCAGA TGTGCATTTC	CCTCTCTTAT	TTTAAGTTAT	GTTAAGATTA	CTAAAACAAT	60
	AAAAGCTCCT AAAAAATCAA		111/2/011/11	G I I/DIGITA I/A	011222101211	81
45	ALLEGICOT ALLEGICAN	A				01
	SEQ ID NO:3090 -					
•	SEQUENCE LENGTH: 79					
	SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY: linear					
	CLONE: HUMGS 03635		•			

SEQUENCE DESCRIPTION: GATCCAACCG TGCCTGAAGC TAGAATATCC CCTGGACTTT TCAGTTATGT GAACCAATA ATACCCTTTT TTGCTTAAA 5 SEQ ID NO:3091 SEQUENCE LENGTH:78 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03636 SEQUENCE DESCRIPTION: GATCTGNGAN ATATTATGGT AATTGTGTCG GGGCGCCATG AACCGCACCC ATATAACAC GTAAACTTAA TCAGCAAA 15 SEQ ID NO:3092 SEQUENCE LENGTH:77 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03637 SEQUENCE DESCRIPTION: GATCATGCTG AAAACCACTC AAACGATTAT ATTTTTTACA TTATAAGAAG TAAAATATA TATTCTGAAT AATGAAA	
SEQUENCE LENGTH:78 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03636 SEQUENCE DESCRIPTION: GATCTGNGAN ATATTATGGT AATTGTGTCG GGGCGCCATG AACCGCACCC ATATAACAC GTAAACTTAA TCAGCAAA SEQ ID NO:3092 SEQUENCE LENGTH:77 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03637 SEQUENCE DESCRIPTION: GATCATGCTG AAAACCACTC AAACGATTAT ATTTTTTACA TTATAAGAAG TAAAATATA TATTCTGAAT AATGAAA	60 79
SEQUENCE DESCRIPTION: GATCTGNGAN ATATTATGGT AATTGTGTCG GGGCGCCATG AACCGCACCC ATATAACAC GTAAACTTAA TCAGCAAA 15 SEQ ID NO:3092 SEQUENCE LENGTH:77 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS03637 SEQUENCE DESCRIPTION: GATCATGCTG AAAACCACTC AAACGATTAT ATTTTTTACA TTATAAGAAG TAAAATATA TATTCTGAAT AATGAAA	
SEQ ID NO:3092 SEQUENCE LENGTH:77 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03637 SEQUENCE DESCRIPTION: GATCATGCTG AAAACCACTC AAACGATTAT ATTTTTTACA TTATAAGAAG TAAAATATA TATTCTGAAT AATGAAA	60 78
SEQUENCE LENGTH:77 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03637 SEQUENCE DESCRIPTION: GATCATGCTG AAAACCACTC AAACGATTAT ATTTTTTACA TTATAAGAAG TAAAATATA TATTCTGAAT AATGAAA	
GATCATGCTG AAAACCACTC AAACGATTAT ATTTTTTACA TTATAAGAAG TAAAATATA TATTCTGAAT AATGAAA 25	
	60 77
SEQ ID NO:3093	
SEQUENCE LENGTH: 75 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HÚMGS03638	
SEQUENCE DESCRIPTION: GATCTGTGCA TTGCTCCTTC TGATTTGTGC TAAGTTGTTA AATAAGAGGG ACCCTGAGA AGGCCTTACT CTAAA	60
SEQ ID NO:3094 SEQUENCE LENGTH:75 SEQUENCE TYPE:nucleic acid	
TOPOLOGY:linear CLONE:HUMGS03639 SEQUENCE DESCRIPTION: GATCACACAG CTAACGAGGC TGCCTCCAGC ATTTCCTGAT TTCCTCTGTG GTAATAAAA CTTTCTGTGC TTAAA	60 75
SEQ ID NO:3095 SEQUENCE LENGTH:78 SEQUENCE TYPE:nucleic acid	
TOPOLOGY: linear CLONE: HUMGS03640	

	SEQUENCE DESCRIPTION: GATCAGAACT TACAAACCAA AAAGTGACAT GNAGGAAA	ACTTTTATTC	TGAGAAACTG	GCTGTACAAT	ATNTGAAAAG	60 78
5	SEQ ID NO:3096 SEQUENCE LENGTH:74 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS03641 SEQUENCE DESCRIPTION: GATCTTTTTN AAGTNTTCTG TTGTTTTCCA CAAA	AAAGGAAGTA	GACAGTATTA	CACCCTGAAT	AAATAAGGTG	60 74
15						
	SEQ ID NO:3097 SEQUENCE LENGTH:267 SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear CLONE:HUMGS03642 SEQUENCE DESCRIPTION:					
	GATCTACTTC CCATGCAGAA CTGACTTGTA TGTCACATTT GAATATTGTA TGTATGCTTG	GTGTAAAATG	GTATATNCTT	TAAAATAGTG	TTGATAACTG	120
25	GTTGGATTGG GGNAAATCCA GCTGCAAANC ANANAANANN	AAGCACAACT				
30	SEQ ID NO:3098 SEQUENCE LENGTH:73 SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear CLONE:HUMGS03643 SEQUENCE DESCRIPTION:					
	GATCATGGTG ATGTACGGGG TATCTGGCAG AAA	TGAATTCTCT	TGCCGTGTTG	CAAATGTGTA	AAATAAAGAT	60 73
40	SEQ ID NO:3099 SEQUENCE LENGTH:71 SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear CLONE:HUMGS03644 SEQUENCE DESCRIPTION:	AT A AT A AT A	A A T A T A A T T T T T	A 4 ("TTT" + 1 TT	CCTCALITYC	60
	GATCCNAGNT CTANCGTCAT TTATAATGAA A	ATAATCATTT	AATATAATTA	AAGTTTAATT	GUTGAAATAC	60 71
50	SEQ ID NO:3100 SEQUENCE LENGTH:69					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03645 SEQUENCE DESCRIPTION: GATCATGCAA TTCCTTCAAT TACAGCAAA		AGACTTGAAC	TTTCTGAAAT	AAAACAAAAA	60 69
10	SEQ ID NO:3101 SEQUENCE LENGTH:67 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03646	acid		·		
15	SEQUENCE DESCRIPTION: GATCCATTTA TTGCAATTCA CCTCAAA	TGCTGAATCT	AAATTATAAA	ATTTAAAATT	AAATGCATAT	60 67
20	SEQ ID NO:3102 SEQUENCE LENGTH:65 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03647	acid				
25	SEQUENCE DESCRIPTION: GATCCGAAAC CTGTTAAACA AGAAA	ATAAGATGTG	TTCTCGGAAA	ATNAAACAAG	AGGTATCACA	60 65
30	SEQ ID NO:3103 SEQUENCE LENGTH:64 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03648	acid				
35	SEQUENCE DESCRIPTION: GATCATCTCT TCTCCATAAG CAAA	ATAGTGTGAT	AAACACAGTC	ATGAATAAAG	TTATTTTCCA	60 64
40	SEQ ID NO:3104 SEQUENCE LENGTH:64 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03649	acid				
45	SEQUENCE DESCRIPTION: GATCGCTCCA ATAAACATAT CAAA	ATTGTGAAAA	TGCATCCACA	ATAAATGGAA	TTCCTTCCTG	60 64
50	SEQ ID NO:3105					

	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3650 SEQUENCE DESCRIPTION:	
5	GATCTACCTG TCTTGTTGCC ACATGTTTCT AAACTTTCCA ATAAATCACC TTCTACTGAC	60 63
10	SEQ ID NO:3106 SEQUENCE LENGTH:68 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03651	
15	SEQUENCE DESCRIPTION: GATCAGCATC AGGCTGTTAT CAAGTCTGTT GGTGCTAAAA AGTAAAANAT GAAATGTTCA AAGAGAAA	60 68
20	SEQ ID NO:3107 SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03652	
25	SEQUENCE DESCRIPTION: GATCTGTCTG GCTCCNTTGT TTCTTATTAA ATAAAATTCT GTCTTCTATT GTTTCAAA	58
30	SEQ ID NO:3108 SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03653	
35	SEQUENCE DESCRIPTION: GATCAGCCTT NNTATAATGT TTTTTAAATC ATTTCTAAAT AAAACAGAAA TACAGAAA	58
40	SEQ ID NO:3109 SEQUENCE LENGTH:55 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03654	
	SEQUENCE DESCRIPTION: GATCTAGACT TATATGAATA AATNAAATTA CATGCCAAGG GCCCTAAAAA GCAAA	55
45	SEQ ID NO:3110 SEQUENCE LENGTH:53 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
50	CLONE: HUNGS03655	

	SEQUENCE DESCRIPTION:					
	GATCAGGGCC GAGCAGAACC	GCACTCTTCC	CAAATAAAGO	ттсстсстт	AAA	53
5	SEQ ID NO:3111					
_	SEQUENCE LENGTH: 55					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03659					
10	SEQUENCE DESCRIPTION:					
	GATCATATTT TTTNATACAG	GTATTTCAAT	TAAAATGTTT	TTGTACATAG	TGAAA	55
	SEQ ID NO:3112					
15	SEQUENCE LENGTH: 76					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03661					
	SEQUENCE DESCRIPTION:					
20	GATCCAATCA NTTAAATAAA	CCTGTATGTA	TATGCATATG	TNTACATGCA	TATCCCCTCC	60
	TGCTAAAACT CATAAA					76
	SEQ ID NO:3113					
25	SEQUENCE LENGTH: 451					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03679					
30	SEQUENCE DESCRIPTION:					
30	GATCCCTCAG TTTCTTCTTG					
	AGCAAATTTA ACCATTGTGT					
	GTAGACTGAG AAGAATCCAC					
	TGGTTCTCCC TCTCCCTGAG					
35	CTTTGATTTG ACTTTGTTGA					
	AAATTACAGT GTGTTAGAGT					
	CAACACTGTG AATTCAATCT GTTTGNTTTT CTTTAACCAA			GIICCICCIA	AAACAINGII	
	GIIIGHIIII CIIIAACCAA	GGIIIAAGCI	п			451
40	SEQ ID NO:3114					
	SEQUENCE LENGTH: 445					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear		•			
45	CLONE: HUMGS03680					
	SEQUENCE DESCRIPTION:					
	GATCTAAGGA TGACTTGGAC					
	TTGGTCCATT CCAGGACCTT					
	CCATGGGCAG ACCTGCACTN					
50	AGGAGTCAAA CCACANCAGT	CTTCGATTCC	CTGTGAGCCA	ATTCACCTCA	CTCTCTAATT	240

		GGCNNNGAGT CAGTCTTTCA	TTTACATAGG	GTGTAACCAT	CAAGAAACCT	CTACAGGGTA	300
		CTTAAGCCCC AGAAGATTTT	NCTACCAGGG	CTCTTGAGCN	ACTTGCTCTA	GCCCACTCCC	360
		ACCCTGTGGA ATGTNCTTTC	ANCTTTTGNT	TGGTTTCAAG	TNCCTTGGTG	CTTCCAATAA	420
5		NTNCCACTTC CTTCACCACC	CNAAA				445
		SEQ ID NO:3115			•		
		SEQUENCE LENGTH: 439					
10)	SEQUENCE TYPE:nucleic	acid				
		TOPOLOGY: linear					
		CLONE: HUMGS03681					
		SEQUENCE DESCRIPTION:					
		GATCGGCGCC ACTGCTGTCC			•		
15	5	CCCAGGGAGG CCCCGCGCTG					
		TAAGGGACAG TACTGAAGAC					
	•	TCAGGCCTCC CTAGCACCTC					
		CATCACCATG GGAGGTGGGG					
20		AAAAGCCACA TTACAAGCTG					
		TTTTCCCTAT CCACAGGGGT	GTTTTGTGTG	TGTGCGCGTG	GTGCGGTTTN	AATAAANGTT	
		TGTACAACTT NTGTTTAAA					439
		SEQ ID NO:3116					
25	i	SEQUENCE LENGTH: 431					
		SEQUENCE TYPE:nucleic	acid				
		TOPOLOGY: linear					
		CLONE: HUMGS03682					
		SEQUENCE DESCRIPTION:					
30)	GATCTTGAAG TGCTTTTTAT	ACAGCTCTCT	AATAATTACA	AATATCCGAA	AGTCATTTCT	60
		TGGAACACAA GTGGAGTATG	NNAAATTNNN	TATGAATTTT	TCAGATTATC	TAAGCTTGCA	120
		GGTTTTATAA TTAGAAGATA				•	
		ACTATGTAGC NCATATTACT	CACCCTATGA	GTGAATCTGG	AATTGCTTTT	CATGTGAAAT	240
35	i	CATTGTGGTC TATGAGTTTA	CAATACTGCA	AACTGTGTTA	TTTTATCTAA	TCCATTGCTT	300
		AATGAGTGTG TTTTTCCATG	ATTGAATATA	CCGTGGTTCA	TATGTTAGCA	TGGCAGCATT	360
		TTCAGNTAGC TTTTTGGTTT	GTTGGGAAGT	TGGGGTTTTG	GGGGGAGGGG	GGAGTNTTNG	420
		TACGTTGCCT N					431
40)	CEO ID NO. 2117					
		SEQ ID NO:3117					
		SEQUENCE LENGTH: 427					
		SEQUENCE TYPE:nucleic	acıq				
		TOPOLOGY: linear					
45	•	CLONE: HUMGS03683					
		SEQUENCE DESCRIPTION: GATCAAAGTA TTATATGCTG	ጥ ሶም <i>ሶስ</i> ማውጥጥ •	1.C.C.T.C.T.T.C.T	A A CT A CT C L A	AAACCCAAAA	en
							60
		ATNOTTTCTA CATTGACATT GCTAGAAATA GACTAAAACA					
50)	AATCCTTTCT CTATAANCCA					

5	TCTNCCTGTC NAAATCTCTC CTACCAAGAT GGTGTTCCAC TGTCCAGCCC AGCATGAGTA 30 GCAGGTAGNG CACAGCTTTA CTGGCTGGTT TGTATGCTTT GGTTTTAGGT GCAATTGTTG 31 TGGGTNGATT TACTTTNTCC AGAAAACCAT NGTATTGNNN ATGTCCTNGG ACCGGTGGAA 42 AATAGGN	60
10	SEQ ID NO:3118 SEQUENCE LENGTH:423 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03684	
15	TAAATAGCAT TTACATTGCA TTAGGTATTA GTCTAGGGAT AAAGTATACA GGCGGATGTN 12 CGTTGGTTAT ATACAAATAT GTCATTTTAT GNAANNGACT TGAGTATACT TGGNTTTTNG 18 GTATCTNTGG GTTGGGGGGA CGGTCCAGGA ACCAATACCC CATGGATACC AAGGGACAAC 24	30 10
20	TGTACTTATT TNCCNITATT GTCATTGCAA GCTTCTTATG GAAACTTTAT AGGGAATGAN 30 AATATACATG TTAAGGANGA TTAAACATTA GATAGTAGAT GGTTTGTTGC ATGCTAGAAC 36 TGTTAGTATT GTTGATTCAA TTACTTTGGT TTCATGAAAA ANTAAACGGT AANTATCTTT 42 AAA 42	60 20
25	SEQ ID NO:3119 SEQUENCE LENGTH:421 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
30	CLONE: HUMGS03685 SEQUENCE DESCRIPTION: GATCGAGACC ATCCTGGCCA ACATGGTGAA AACTCATCTT TACTAAAATA CAAAAAATTA 6 GCCACGCNTG GTGGCGCACG TTGTGGTCCC AGCTACTCGG GAGGCTGAGG CAGTGGAGTC 12 ACTTGAACCG GCCACGCACA CCTTCAACTA AGCGCACATT	0
35	ACTTGAACCC GGGAGGCAGA GGTTGCAGTG AGCCGAGATT GCACCACTGT ACTCCAGCCT 18 GGCGACAGAG CAAGATTCTN TNTGCCCCCC CACCAAAAAA AAAGANTGAA ACACTGATAT 24 TTGCTACAAC ATGGNTATAC CTCCAAAGCA TCCTGTTAAG TGAAAACAGG GAGACACAGT 30 CACGTACTAT ATGATTGCNC TTACGTGAAA TATCCACANN GACGNNTCCA TGGNGACCAG 36 GCAGATTGCC GNTTGCCAGA GGCCAAGGGT TAGGGAAAAA TTGGTGAGGG ACCCTGCGTG 42 N	10 10 10 10
40	SEQ ID NO:3120 SEQUENCE LENGTH:410 SEQUENCE TYPE:nucleic acid	1
45	TOPOLOGY:linear CLONE:HUMGS03686 SEQUENCE DESCRIPTION: GATCTATGAC TTCTCAAAGC CGGGTCATGA ATGTCCATAA AATGCTAGGC ATTCCTATTT 6	-
50	CCAATATTT NATGGTTGGA AATAATGCTT CANATTTGGA ACTGGACCCC ATGAAGGATA 12 TTCTCATCCT CTCTGCACTG AGGCAGATGC TGCGGGCTGC AGATGATTT TTAGAAGATT 18 TGCCTCTNGA GGAAACTGGT GCAATTGAGA GAGCGTTACA GCCCTGCATT TGAGATAAGT 24	0

	TGCCTTGATT CTGACATTTG	GNCCAGCCTG	TACTGGTGTG	CCGCAATGAG	AGTCAATCTC	300
	TATTGACAGC CTGNTTCAGA	TTTNNCTTTN	GTNCGTTTTN	CNTTCTGTCC	TTGGACCAGT	360
	CATATCTCAN GTTCCAAAGG	CCANAACCCT	GAGGAGCGGT	NNGGCTAAGN		410
5						
	SEQ ID NO:3121					
	SEQUENCE LENGTH: 402					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear				•	
10	CLONE: HUMGS03688					
	SEQUENCE DESCRIPTION:					
	GATCTGAGGA CCCTGTACTG	GTTACTCCTG	TACACGTTCA	CAATTTTCNT	GTAAATNTAT	60
	TAATATACTG AGCAGTCCAG	GAGCAGCCAT	TAGGCAAACA	CCACTCCTTG	CTTCCTTCAT	120
15	GTGACCTATC ACTGAGCTCA	CCAGCTGAGG	TCAATNACAT	TCTTCCCAAC	CTGGAGAACA	180
	GAATTTGGGT CTGCTCAGAG	GCATGATGTG	AAACATGTCT	GGGATAAAAG	CTTTGTTCTA	240
	TTGACAGCAA ACCTTTTTGT	GTTAAGGGGT	AGGGGAAGAG	CANGTGAAGG	ATGCAGATTA	300
	ATTTCTATTT AGGANTATAC	TTTTNTATAT	NGTTTGAAAT	TTTGGNCTTG	TAAAAAT	360
	CATCCATNTT TTNACCAANA	NAATTTCCTT	GTGGACNGGT	TN		402
20						
	SEQ ID NO:3122					
	SEQUENCE LENGTH: 409			•		
	SEQUENCE TYPE: nucleic	acid				
25	TOPOLOGY: linear					
	CLONE: HUMGS03689					
	SEQUENCE DESCRIPTION:					
	GATCAGTTTG ATTCTGTAAT	GAGCACAGCA	CCTAATATTT	TGAGGAGCTC	TGTTTTGAGG	60
	ACCAATGCTT AAGGTGGACT	TTGTTCGTAA	ACAATATCCC	AATAGATTTG	TTGACTTGAG	120
30	GTCTGGTTTG GTTTTGTTTT	TGTTTTGTTT	TGTTTTGTTT	TGTTTCCAAT	AGAATTAAGA	180
	ATTCTAATGT TGAAAAACTG	CACAAATTTT	TATGGGACAA	AGCCTAGAAA	AGAGAAATGT	240
	AGTTTGAATC ATAATCTAAA	TCATCGTATG	${\bf ATAGANGAGG}$	${\bf GAAAGTTTTG}$	GTGCCATAAT	300
	TTCTCCTTTC ACTGGTGTTG	GGNCTTAAAT	CAAGTTGAAA	TGTATTTCTG	TACCACAATT	360
35	TTANGGCTTT CAATAAAAG	TTTTAAATNG	TCTAGGTGAC	CATTCCAAA		409
	SEQ ID NO:3123					
	SEQUENCE LENGTH: 400					
40	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS03690					
	SEQUENCE DESCRIPTION:					
	GATCAACATC CACAGCGAGA					60
45	CCTCTTCTTG AACTGGTGCT					
	GGACAGGAAG ATGGTTGGCG					
	CCTGAACATC TGGGCCCTGA					
	GGTATTCGGC TCTGTGACAG					
50	TTACTAGTAG CNGNCCATAG			ACTTGTGCAA	TGCTTGGCCC	
-	TGNACGNTGG GGCTGTTGCC	CITGCCCCNT	ITGGTCCTGN			400

	SEQ ID NO:3124					
	SEQUENCE LENGTH: 400					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY:linear					
	CLONE: HUMGS03691					
•	SEQUENCE DESCRIPTION:					
	GATCCTTCCT ACTTTGCTTC		TCACCTTTTT	NACTOTOCCC	ለ ቸር ኒ ሮር ልር ተሞ	co
	TCCCTGACAG CTGTGTACTC					60
10	TTGTCCCAGG GCTGATGNTG					
	CATTCACGGG GNNGGTTAGC					
	TTCCTAAGTT CCCTTCTATA					
	TAAATCTATT CATAAGTCTT					
15	GGTCTTCCCC NTCTTTTGCA				AIGIGATIII	
13	ddicticcoc Michility	CITIIIIGAA	ATANAGGGIN			400
	SEQ ID NO:3125					
	SEQUENCE LENGTH: 397		•			
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear	aciu				
	CLONE: HUMGS03693					
	SEQUENCE DESCRIPTION:					
	GATCCTNAAT TTNAAAATTT	NACACCATCA	TAAATNAACA	AAGGTAGGAA	GGAGTTTGGC	60
25	TTCAATAGCT TACAGTAAAA					
	GTNATGTTAT GAAAAATAAT					
	CTATTTCTT AGTCTAACTA					
	CCTAAGAAAT ATATAGTTAG					
	AAGTACAGAT TTCTTCACCA					
30	ATAGTTTCTG GGTTAAATAA					397
	SEQ ID NO:3126					
	SEQUENCE LENGTH: 392					
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03694					
	SEQUENCE DESCRIPTION:					
40	GATCAAGTAA CATGTTGCAT	GTGGCTTACT	CTGGATATAT	CTAAGCCCNT	CTGCACATCT	60
40	AAACTTAGAT GGAGTTGGTC	AAATNAGGGA	ACATCTGGNT	TATGCCTTTT	TNAAAGTAGT	120
	TTTNTTTAGG AACTGTCAGC	ATGTNGTNGT	TGAAGTGTGG	AGTTGTAACT	NTGCGTGGAC	180
	TATGGACAGT CAACAATATG	TACTTAAAAG	TTGCACTATT	GCAAAACGGG	TGTATTATCC	240
	AGGTACTCGT ACACTATTTT	TTNGTACTGC	TGGTCCTGTA	CCAGAAACAT	TTNCTTTNAT	300
45	NGTNACTNGC TTTTNAAACT	TTGTTTAGCC	ACTTAAAATC	TGCTTATGGC	ACAATTNGCC	360
	TCAAANTCCC ATTCCCANGT					392
	SEQ ID NO.3127					
	ALM 10 MU 5177					

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SEQUENCE LENGTH: 391

	SEQUENCE TYPE	:nucleic	acid				
	TOPOLOGY: line	ar					
	CLONE: HUMGSO3	695					
5	SEQUENCE DESC	RIPTION:					
	GATCTAAGGA TG	ACTTGGAC	ACACTCCCTG	GCACTGAAGA	GTCTGAACAC	TGGCCTGTNA	60
	TTGGTCCATT CC	AGGACCTT	CATTTGCATA	AGGTATCAAA	CCACATCAGC	CTCTGATTGG	120
	CCATGGGCCA GA	CCTGCACT	CTGGCCAATN	ATTGGTTCAT	TCCAGGACAT	TCATTTGCAT	180
	AAGGNGTCAA AC	CACAGCAG	TCTTGGATTG	GCTGTGAGCC	AATTCACCTC	AGTNTCTAAT	240
10	TGGCTGTGAG TC	AGTCTTTC	ATTTACATAG	GGTGTAACCA	TCAGGAANCC	TCTACAGGGT	300
	ACTTAAGCCC CA	GGATGATT	TTGGCTTACC	CGGGNGTTTC	TTGNGGCCNC	TTTGGTNTTG	360
	GCCNAGTTNC NC	ACCTTTGT	GGGAATTGGT	N			391
15	SEQ ID NO:312	8 .					
	SEQUENCE LENG	TH: 389					
	SEQUENCE TYPE	:nucleic	acid				
	TOPOLOGY: line	ar					
	CLONE: HUMGS03	696					
20	SEQUENCE DESC	RIPTION:					
•	GATCTCGGCT CA	CTGCAACC	TCCACCTCCC	GGGTTCAAGC	GATTCTCCTN	CCTCAGCCTC	60
	CTGAGTATCT GG	GATTACAG	GCGTGCACCA	CCATGCCTGG	CTAAGTTTTG	TGTTTTTTTT	120
	AGTAGAGATG GG	TTTTCACC	ATATTGGTCA	GGCTGGTCTC	GAACTCCTGA	CCTTGTGATA	180
25	CACCTGGCCT CA	GCCTCCCA	AAGGGNNGGT	GCCACCGCGC	CTGGCCCATT	TNTTCTTTTT	240
	TTGACCCATA CT	TAATGTTG	CAGAAACTAT	TCTTGTCATA	ACATTATCTC	TCATGTACAG	300
	TAATTATATG TA	TTAATTAA	GAAGCAAATN	TGGGAAACTT	TACAATAGAA	ATAAAGNTAG	360
	GCAGCCAGCG TN	TGTTTCCA	AAANTNTTN				389
30	SEQ ID NO:312	9					
	SEQUENCE LENG				•		
	SEQUENCE TYPE		acid				
	TOPOLOGY: line						
35	CLONE: HUMGS03	697					
55	SEQUENCE DESC	RIPTION:					
	GATCTCGGCT CA	CTGCAACC	TCCACCTCCC	GGGTTCAAGC	ATTTCTCCTG	TCTCGGCCTC	60
	CCGAGTAGCT GG						
	ATAACTACAT AT	GAATCTAA	AATTATCACA	AAAGGAAACT	TCTTTTAAGA	AAAAGAAAAG	180
40	AATCAGAACA TA	AATATACA	GCATGGCAAA	ACTACATCTA	AAACAAGTAT	TATAGGTCTC	240
	ATGGTGGAAA AN	TTGGACCC	ACAAGAAAAG	TTGTTAATTA	TCTCTGATAT	TCTGAACCAT	300
	TGNTATCTGC AA	AATGATTA	CTAGGTATGT	GCAATGANGG	CTATTGATGT	TACCCTGTAT	360
	ATCTGCACAC TG	TGTTCCAN					380
45	SEQ ID NO:313	·0					
	SEQUENCE LENG						
	SEQUENCE TYPE		anid				
	TOPOLOGY: line		aciu			•	

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CLONE: HUNGS03698

	SEQUENCE DES	SCRIPTION:					
	GATCTGCTAG 1	TGCTGTAATA	TTGTAAATAC	TGGACTCAGG	AACTTTTGTT	AGGAAAAAAT	60
	TGAAAGAACT 1						
	CTATAGCCTA A	AGCGGCTGTT	TACTGCTTTT	CATTAGCAGT	TGCTCACATG	TCTTTGGGTG	180
3	GGGGNGNGAN G						
	TGTTCACCTT C	CAAAATGTTC	TATTTAACAA	CTGGGTCATG	TGCATCTGGT	GTAGGAAGTT	300
	TTTTCTACCA T						352
10	SEQ ID NO:31	31					
	SEQUENCE LEN	IGTH: 375					
	SEQUENCE TYP	E:nucleic	acid				
	TOPOLOGY: lin	iear					
15	CLONE: HUMGSO	3699					
	SEQUENCE DES	CRIPTION:					
	GATCGTGGGT T	GCCGAGAGG	ACCTGAGCGC	TGCGGCTCTG	CTGAATGGAN	CCGGGTCCCT	60
	CAGGCCGTGG A	CGCCCTCGG	AAGGGGGGTG	ACTGTGGCTT	GTNTCTGGAC	AGGAATGTGT	120
	CATTTCCCAC A	TCTTCTAGA	GGGCTGCCAG	CTGGGAAGAC	AGTTATNAGG	GCAAGCTGTG	180 .
20	CTCTGAGTTT C	GGGTTCTGC	TCCTACAAAG	AACGTGCGGT	GCTGCGGGCN	AGGGCCCCGG	240
	CACGGACAAG G	GCCACTGCA	GAGTGTGTTT	CTNCTCGTNA	GCTGCCCTGG	GCANGGAATG	300
	GGCTGGNTNA T	GCAGTTGGA	TGCACATCTN	ATTCTGTCAT	GAATGTCCAG	TAAAAAATCT	360
	GAAATTGGTT G	CAAA					375
25							
	SEQ ID NO:31	32					
	SEQUENCE LEN	IGTH: 369					
	SEQUENCE TYP	E:nucleic	acid				
	TOPOLOGY: lin	ear					
30	CLONE: HUMGSO	3701					
	SEQUENCE DES	CRIPTION:					
	GATCCAACCC A	AGGGCAAGG	GCATCCTGGG	AAATACCATC	AAGTGGAACT	TCACCAAGTN	60
	CCTCATNGAC A	AGAACGGCT	GCGTGGTGAA	GCGCTACGGA	CCCATGGAGG	AGCCCCTGGT	120
35	GATAGAGAAG N	IACCTGCCCC	ACTATTTCTA	GCTCCACAAG	TGTGTGGNCC	CGCCCGAGCC	180
	CCTGCCCACG C	CCTTGGAGC	CTTCCACCGG	CACTCATNAC	GGCCTGCCTG	CAAACCTGCT	240
	GGTGGGGCAG A	CCCGAAAAT	CCAGCGTGCA	CCCCGCCGGA	GGAAGGTCCC	ATGGCCTGCT	300
	GGGNTTGGCT C	GGCGCNCCC	ACCCCTGGCT	ACCTTGTGGG	AATAAACAGA	CAAATTAGCC	360
	TGCTGGAAA						369
40						•	
	SEQ ID NO:31						
	SEQUENCE LEN						
	SEQUENCE TYP		acid				
45	TOPOLOGY: lin						
	CLONE: HUMGSO						
	SEQUENCE DES					MAAMAT	
	GATCTTGGGA A						
	GTTTTGTTCA G	TUGCTCACT	TUGGCTAAAA	TUCAGAAATG	NATUCTUTCA	GCGTTTGGTAT	120

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TTCACATTCA ATGGAGCTGA ATGTTCAGGA CCTCTTCCCA TTGAAGCTAT AATTTATTTG 180

5	GACCAAGGAA GCCCTGAAAT GAATTCAACA ATTAATATTC ATCGCACTTC TTCTGTGGAA 240 GGACTTTGTG AAGGAATTGG TGCTGGATTA GTGGATGTTG CTATCTGGGT TGGTACTTGT 300 TCAGATTACC CAAAAGGAGA TGCTTCTACT GGATGGAATT CAGTTTCTCG CATCATTATT 360 TGAAGAN
10	SEQ ID NO:3134 SEQUENCE LENGTH:366 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03703 SEQUENCE DESCRIPTION:
15	GATCAAGAAA TGCATTGACA TTCTAATTGA GAAAGAATAT TTGGAGCGAG TGGATGGTGA 60 AAAGGACACC TACAGTTACT TGGCTTAACC CTTCTGGAAG GGTCTGACTG TGTGACCCGC 120 AGCAAATAGT TCATGTTGGA AAGAATGAAA ACAACTCAAG TTCATAGCAG CCAGCCTGCC 180 GCCATTGGAC CTCCCTTTTA AAAACTGAGA CCAAGACTCC CATCAGCTGG TCTCGGGTTT 240 ACATCGGAAC TGCTCAGGAT TGATACATTT NAAGTCTGTA AATACGGACA CCAACGCCAT 300
20	TTACCCTAAT TTNANGAACA GCGGGGNCTG TCCNTCCGGT GCCGAGGGGC TTGCATTGCT 360 TACCGN 366
25	SEQ ID NO:3135 SEQUENCE LENGTH:364 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03704 SEQUENCE DESCRIPTION:
30	GATCCCTGAT TAAGCTGATG ACTAGACCTA CAATTAATTT TCCTGCAGTA TATGAAGTAT 60 TGTACCAGAG TATTAAAAGA TATGTAATAT TTNATTGATA AATCTATCCT TTAAAAGGAA 120 TACGTTTTAG GATGTCATCA TTTTGATGTG AATCATGTAA ATGTTGATAA TATGCTGTTT 180
35	ATTATACATT TAGTGTTTCA AGAGATTCAC TTAATTGCCT TTTTTGCCCAC GTATATTATG 240 TAGTCTATTT GCAACTGTTC TTAAAAAANT GNCATTAAAG GACTAGTTTA TGTNGGGAAC 300 CATTAGTGGN TGTTATTNGN CTCCCCCCCT NTNTTTTTGG GGTGTTAGCG CACCTGCTTT 360 GCTN 364
40	SEQ ID NO:3136 SEQUENCE LENGTH:363 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3705 SEQUENCE DESCRIPTION:
45	GATCCTGACC AGCAAGCCCC CCCCCAGCCC CCCTTCCAAG TGACTCCGTG NCTTGAGTGT 60 GTCTGCGTGT TTACACCCGT CCCTCTGCTG GCCGCCCCCG TGCGAGCGGC ACCCCTGCCC 120 TGCCCTCCAC AGAATTGGGT TCCAAGGGCT GTTCCAGACA ACTGCCAACG TCACTGAGGG 180
50	CCCTGCCCCA GCGGNCCTGG CCCCAGGCTC TATTAACCTA AAATGTAGCT CCCTAGCGNT 240 AACCTAGGAA CCGGCGTTGN CTGCTTGGGG GGTCACGCCC TCATGNCCTT GTTCCCAGGG 300 CCGGGGGCCT TNAAGCGGTT NGAACAATTC NTTGGCTTTT TTTCANANTG TTTAATNGGA 360

	ATN					363
	SEQ ID NO:3137					
5	SEQUENCE LENGTH: 359					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03707					
10	SEQUENCE DESCRIPTION:					
	GATCTGGTGG TCAGCCCTAG					60
	ATGGAATTCC TTCAGGCCGG					
	AGCCTCATGC AGATAGTAGG					
15	AAGGCTATCT GCTTCCNTTA					
.0	CAGTGGGCAT CCCNGCTNGG					
	TTTTGGCACA ANGNTNNTTT	TIGGCACTIT	GITTITTT	GTATTTAAAG	GTTTTGCTN	359
	SEQ ID NO:3138					
20	SEQUENCE LENGTH: 358					•
20	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03708					
	SEQUENCE DESCRIPTION:					
25	GATCAGGGGA TAGTGAAGTT					60
	GAATATCAGT ATTCCGGCCA					
	CTCGAATTTA TTTGGAAGGG					
	GGCGACAAGC AACAACAATC					
30	AGAAGGAGTA GAAAGGATGA					
	TCATGTATAA TCTTTATGGC	TTCCAGGGAC	ANGGNTTTAA	AATACTCTTT	TACGTAAA	358
	SEQ ID NO:3139					
	SEQUENCE LENGTH: 356					
35	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUNGS03709					
	SEQUENCE DESCRIPTION:					
40	GATCTCAGTC TCTCTGTCTC					60
	TGACAAAGTA AGGGCCTTGA					
	GGACAACAAT TAACAATGCA					
	ACATATGTAA TATATAAATA					
45	GGAGGCCTTT CTGTTGAGCT					
	CCCCAGCCCT GTTCCANTCA	AIGCAGIIGN	CAATAANTGG	NAIGAGTATC	UICAAA	356
	SEQ ID NO:3140					
	SEQUENCE LENGTH: 354					
50	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					

	CLONE: HUMGS03710					
	SEQUENCE DESCRIPTION:					
	GATCTTCAGC ATGTGCGGCC					
5	CTGCTCCTTC ATCAGCTTTG					
	TAGCTTCATG CTGTCCATCT		•			
	GACGCCCCCA TGGTGATACC					
	GGCCTGGGCT TTGGCTGCTA					300
10	NAGGCCGTCT CGGTGCCCCC	AGCTGGGATA	GAGGGAACCT	GGGCCCTTTT	NCTN	354
70	.2.					
	SEQ ID NO:3141					
	SEQUENCE LENGTH: 352					
•	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY:linear					
	CLONE: HUNGSO3711					
	SEQUENCE DESCRIPTION:					
	GATCTTGATG AGGGCCAACT					
20	ATTTATTATA AGTACTATTT					
	AACTATGAGG TTTAGTAACA					
	TGGGTGAAGA TGTAAGTNAT					
	TAGACCAGGT AGCTCGTCAT					
	TTATTTTCA TGCATTGCAT	ATTGTACTCN	TTTGTAATAT	TGGGNATGTA	AN	352
25	CCO ID NO. 0140					
	SEQ ID NO: 3142					
	SEQUENCE LENGTH: 349	.,				
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUMGS03712 SEQUENCE DESCRIPTION:					
		CCACCCCTCT	COTCOLOOT	***************	T0TT0T0000	~~
	GATCTGACCA CTGTTCTCCA CTCTCCTCTC TTGAAAGTTC					60
	GTCCCCTCCC TGCCTTGGTT					
35	TAAAGGAAAA CTGTTTTGTT					
	CCGTTCTTCT CTGCTGCATT					
	TCTGACACTG ATTTTGTNTT				·	349
	TOTAL MITTINITY	INCICAMIA	AANGIAIAGA	CINCAUAAA		343
40	SEQ ID NO:3143					
	SEQUENCE LENGTH: 348					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
45	CLONE: HUMGS03713					
70	SEQUENCE DESCRIPTION:					
	GATCTGTTCC AGCTGCAGGT	GAACACCCTA	CGACGTTATA	AACGACACTA	ACAAGTTGCA	60
	GACCAGACCA GGCTTCAATA					
	CATACCTGTG AATGAAAAAG	AGACCCTTGC	CTACTTCATC	TACATGGTGA	AGAGTAACAA	180
50	GAGTAGACTG GACCAGAAAT					

	TTAAAGGAAT GAAGTGTAAA	TGCTTGATGC	ACAGGTNGAT	ATCTACTACA	TTTAAGCCCA	300
	TAAAGACTGT TTAAATATTA					348
5	SEQ ID NO:3144					
	SEQUENCE LENGTH: 348					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS03714					
10	SEQUENCE DESCRIPTION:					
	GATCCAGATG CAGAGGCCAG	GATGTGGGCC	CAGCCCTGTG	CCAGGAGGCT	NGCTGGAATA	60
	AAGGGATGGG CAGGCTGGCA					
	TCCTGCCGGC CAGGGGCCAC					
15	GTTCTGCTAT TGTGGTATTC					
	CTGGAACCTA AGACCCTGAA					
	TTATTTTAAA ATACAGGATG					348
	SEQ ID NO:3145					
20	SEQUENCE LENGTH: 379			•		
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03715					
25	SEQUENCE DESCRIPTION:					
	GATCACACCT GAGCTTATGC	TAAAAGGTGG	GATGACTCAG	AGCTGGGGCT	GGTCACCAGA	60
	CAGACTGACC ATGTGATTAG					
	GACTGGAGGC TGAGTTTAAT					
30	ATAAAAACTC TGGACACTAA					
00	CCGGCAGGGC AGTGTGCCCT					
	CCCTTCCAGA CCTTTCCCTG	TGTCTTCCTT	GGCTTGTGGA	GCTGATTTGT	ATCCTTTATA	360
	ATAAACCTAA TCATAAGGN					379
35	SEQ ID NO:3146					
	SEQUENCE LENGTH: 371					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
40	CLONE: HUMGS03716					
	SEQUENCE DESCRIPTION:					
	GATCTGACCT GTGACAAGTC	TGTACTATCC	ACTATGTAAA	TGGCTCACAA	GTCAATTGCA	60
	AACAAACTGA ATGTACAAAT (
	GATTTAAAAG TTTGTTTTAA					
45	ACACTAATGA ATGTTGAATT (
	TTTCTGCTAT TTTTACCGTA					
	TGCTAACTTC GTTTGTGCGN 1	TTGANTAAAN	TTGCCGGTAT	ATATNTGGTG	GCCTTGTTTG	360
	TGACACTTTG N					371
50	SEQ ID NO:3147					
	254 IN MO:2141					

	SEQUENCE LENGTH: 34	16				
	SEQUENCE TYPE: nucl	eic acid				
_	TOPOLOGY: linear					
5	CLONE: HUMGS03717					
	SEQUENCE DESCRIPTI	ON:				
	GATCACAGGC AAACCCA	TCA AGCTGACTCA	GGTGGAACAC	GAAGCTGGCA	NNTAAGTGGA	60
	ACATGGATGG GGCGGGA					
10	CCGCTGGACT ATNACCT					
	GCCCTTCTTT TCATTGG					
	TTCCAATACC CTAGAAG					
	CCCTGTAAGG TTTCAAT				umuuciiuc	346
				00111111		340
15	SEQ ID NO:3148					
	SEQUENCE LENGTH: 34	4				
	SEQUENCE TYPE: nucl	-				
	TOPOLOGY:linear	010 0010				
20	CLONE: HUNGS03718	•				
	SEQUENCE DESCRIPTI	ON:		•		
	GATCTNCTGC CGAGTGA		CCAGAGCGGC	AACACCAAAT	AGATGGTATT	60
	CAAGACAGAG GACCTGA					
	NATCCTAACT GGGACCC					
25	GAAGGGGGAT GAAGTCC					
	GTGATGGCTC CTGCACA					
	GCCCAGGGAA AGGCCCA					344
30	SEQ ID NO:3149					
	SEQUENCE LENGTH: 34	1				
	SEQUENCE TYPE:nucl	eic acid				
	TOPOLOGY:linear					
35	CLONE: HUMGS03719					
00	SEQUENCE DESCRIPTI	ON:				
	GATCTTTGAA GTCTATT	TAA ATATTCATTC	CATTACATCT	AGACTCACCN	AGAACTACAT	60
	GTTATGATGT TAAGTTG					
	TTTATGTAGA GAAAATA					
40	TATATGGATT TGNNTTA					
	ATTGTTTGGA TATNCTT				TATNTCTNAT	300
	GTTTTGCCAC AGTTAAC	CCA TTGTGCTTCT	TTGTAATCAA	N		341
	SEQ ID NO:3150					-
45	SEQUENCE LENGTH: 33	9				
	SEQUENCE TYPE:nucle	eic acid	•			
	TOPOLOGY: linear	·				
	CLONE: HUMGS03720					
50	SEQUENCE DESCRIPTION	ON:				
	GATCTNATCA GTCCTAA	GCG GGTCATGGGG	CAACACGGTT	AGCGGGGAGA	GCACGGGGTA	60

5	GCCGGAGAAG GGCCTCTGGA ACACAGTCGG GTTGACCCAG CCCCTCTTGT NTCCCACCCT CTGTTGTNAT GGGTTTTTTT AAAAATAAAC ACTTCCTTTN	GGCTGTCTCC NAGATTGGGC TGCGGGGGGG	CTCCANAGCC ATGGGGTGCG NTTGCTTTTT	TCCCTCCGGA GTGTGGGGGG	CAATAAGTCC CATGTNCTGC	180 240
10	SEQ ID NO:3151 SEQUENCE LENGTH:337 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03721	acid				
15	SEQUENCE DESCRIPTION: GATCCTCTCC CTGGGATAAG TGGAACTGCC ACCCAGCCCA CTTNGTTTTG TTAAGNNTTT TAATATTTGT AACGGTTTTA	GCATGATGGC TAATAAAGTA	TCAATTGGTT CGTTTTGCAT	GGTTNCGTTG AATTGCCTTT	TNAGTTGTCT AAATGGTTTG	120 180
20	AAAAACAATT TGTAAATACA TGTTTTGTGG ATTTGGTTTC	GNACATTTGT	TAAAAGGCAT			
25	SEQ ID NO:3152 SEQUENCE LENGTH:336 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03722	acid				
30	SEQUENCE DESCRIPTION: GATCAGAGGC AGACAATGAC GCCTGCATCT AATCTNTNAG CATTGAGNAC TTGAATGGCC GAGCTCAGGA TAGAAACATC	GCCCTCTTTC TGTTTGTNTA	TCTGTGGGTC TGGGCTTGCA	TCATGAACAG AAGGACAAGC	CAGTGGGGAC AGAGTTCACA	120 180
35	GTACCTGAGG GAATTTTTTT ANTTNGTNTA CGTTTGAAAA	NTTAATCAAC	CCCTTGTGTG			
40	SEQ ID NO:3153 SEQUENCE LENGTH:334 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03723 SEQUENCE DESCRIPTION:	acid				
45	GATCTGCATT CCGACTGCCT NTTCAACTTG CACTCGGAGC CACCCAGACT CACTGGCCAC GAAGGCTTTT TTTTCCTTT	TCCTTTNATA ACCTCAGCAG GGCCTGGGAA	CCTCAAAGCT GGGGGGAGTC TTTTTCCCAT	GGCTGTNAGG GAGTGTCAGT TTTAATGAAG	TGGCAGCTCA NTCTTTCTGT GGGTTTTAAA	180 240
50	TTGTTTCATT TTGTGTGCTG TTGTACAGAA ATATACTGGC			CAAATCTTGC	ATTATCTNGT	300 334

	SEQ ID NO:3154						
	SEQUENCE LENGTH: 3	30					
	SEQUENCE TYPE: nuc	eic acid					
5	TOPOLOGY: linear						
·	CLONE: HUNGS 03724						
	SEQUENCE DESCRIPT	ON:					
	GATCAAAATT TGTGTA	TTG CAGG	GCTTTC	TTTCTTTTTN	TTCAAATTTA	CAAGGGTTCA	60
	TTTTGGAAAC TACATT	TAA ACTTI	TGGAAT	CAAATTGTTT	CTTATTTGGG	AGGATAATGT	120
10	ATATACATTG GTATTA	GTT AAATA	AATAA	ATTGTNCTAA	TTTGGTGCCA	TTTCCTGAAT	180
	CACAACTGTA TTTTTG	ATC TCANO	GCTATT	TTCATATGTN	ATGTGTCAAT	GTATCATCTC	240
	TCAGAAAGGT TTTACA	ITCC AAACA	ATTATA	TGTNCTCTGT	GTAACTGAAT	TTNACTTATC	300
	TNTTNTAAAC CAGNAA	TTAA TTA	GAGAAA				330
15							
	SEQ ID NO:3155						
	SEQUENCE LENGTH: 3	30					
	SEQUENCE TYPE: nuc	eic acid					
	TOPOLOGY:linear						
20	CLONE: HUMGS03725						
	SEQUENCE DESCRIPT	ON:					
	GATCTTCGCA AGCCAG						
	CAGATGTCTN NTAGCT						
25	GAAAATCTGC AACAGT						
	TGTGGAACCC AGCTCT						
	GCTTTCATTT GTATTT	VAAG GTTT	TTCTGT	TTGTTTTGAG	TATATACATG	GTGCTCAATA	300
	GCAACATCTT AGCAGA	rgaa gcag	TTTATN				330
30	SEQ ID NO:3156						
	SEQUENCE LENGTH: 3						
	SEQUENCE TYPE:nuc	leic acid					
	TOPOLOGY: linear						
35	CLONE: HUMGS03726	TON					
	SEQUENCE DESCRIPT GATCTACTGC AAATCC			C#1#CCCCC1	AAACCCTACC	CTTATNCCCA	60
	GGGCGCTGNC ACGCTT						
	TCAGCCTNNA CAGGCC						
40	GTGCNGNGAA GTGTTC						
	CTGGAAAGCC CTGGCA						
	CAACANCTCT GACTGN			UNIGIOUNN	GIGIGGOMIG		329
	CANCANCICI UACIUM	AAAN AUAA	idd I div				
45	SEQ ID NO:3157						
45	SEQUENCE LENGTH: 3	29					
	SEQUENCE TYPE: nuc		l				
	TOPOLOGY: linear						
	CLONE: HUNGS03727						
50	SECUENCE DESCRIPT	ION-					

5	GATCGGGCGC ACGGNCCGCT GCACAGCATG ANCATCCTGA GGACACAGAT GATTTGGACG TGATGCCAGC CCTGGCACTG GACATCACCC CAAGGNCAAC TGTTTGGCCT TGACAAAATT	ACAGAATCCA AGATTGAGAA CCCCTGCACA GGCACAAGTA	GGAGCATTTT ANTAGCCAAC GGAGACAAGT	AATAAGAAGA TGAGAAGCTC GCGTTCAGGG	TAGAAAGATT CACCAGCCAC CACAGGCCCC	180 240
10	SEQ ID NO:3158 SEQUENCE LENGTH:327 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03728	acid ·				
15	SEQUENCE DESCRIPTION: GATCAAATTT ACTNGAACAA AAAAGTTACC TATTTAATCT AAAAGAGGTC AGGTTTTTAA TATGAATATG AATAAATGGT	TTTCAATAAA CTATTTATTG ATGCCTTAAG	AATTGTTNTT AAGTATGTGG ATTCTTTGAA	TGAAATCCAG ATGTACAGTA TATGTATTTA	AAATNATTTA TTTCAATAGA CTTTAAAGAC	180 240
25	TGGAAAAAGC TCTTCCTGTC ATGTNGTNCC TGTTTCCAAT SEQ ID NO:3159 SEQUENCE LENGTH:324		NCATCCATAT	TTCATAACCT	TATGTAAAAT	300 327
: 30	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03729 SEQUENCE DESCRIPTION: GATCTGAATT TGGACCATTT AGAGGGAGGG CCCCGGTTCC	CACTAAAGAG				60 120
35	GGCCAGGCTG CCACAGGGGC GGTCCTCCTG TTATTTTTCC GGGTGGCAGG AACTTGTATA CTTTTAAATA AAAACGTATA	ATTTAAAAAG GTTCAGCTTC	TATGTCCTCA	GAAAACTGTA	NTGGAAGGAT	240
40	SEQ ID NO:3160 SEQUENCE LENGTH:322 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03730	acid				
45	SEQUENCE DESCRIPTION: GATCTTGGTT TTAATTAACT ATGTTGTTCT GGCTGCTTGT TCTGTCATTT AATTGAGCAG CAGAATCATC TNCTTAGGTT	AGTATCAGTT TCTTTTTCAC	CGCCCCTCTT ATAACAGTAA	GTTAGGGAGA TAGCAAAAAT	TATGTAACAA CCTACCTACT	180
50	CATTINGTOT CITGAGATTN GAAANTATAT GCCTCANATT	AATCAATTAG				

	SEQ ID NO:3	161					
	SEQUENCE LE	NGTH: 320					
	SEQUENCE TYPE	E:nucleic	acid				
5	TOPOLOGY: lin	near					
	CLONE: HUMGS	03731					
	SEQUENCE DES	SCRIPTION:					
	GATCTGACTT 1	TTTCCTTCT	CAAAAGAATC	ATACTTGGGA	TTACAGGTAC	ATTTNATGTT	60
	ATATNATGGA 1	FAAGTGAAAA	NTTTTTAAAG	GAGATTTTAT	ACCTTTTCAC	ATTAAAAAAG	120
10	GTATTTATAT 1	TATNACTTTG	TAGTGATTGT	CTTAAGAAAA	AATATAGCCC	AAATGTATAG	180
	TAAAATCAGC A	AGCTCAAGAA	GAATTTCTGC	TTCTNTTTGT	AGTTGATGCT	TTGTTTTTNC	240
	CTGCAGTCAG A						
	TAAAANAAAA 1						320
15							
	SEQ ID NO:31	162					
	SEQUENCE LEN						
	SEQUENCE TYPE		acid				
	TOPOLOGY: lin						
20	CLONE: HUMGSO					• .	
	SEQUENCE DES						
	GATCTGAAAA 1		TACGCTCATA	TGGTTGGAGT	GTTAAGTGAA	CCTNTGATTT	60
	TTTNAGGGTT						
25	AAGACGACTG 1	TTTCCATTT	CCATTTAAAC	ATTTTTAGCC	ACTTCATTTC	TATTTATTGA	180
	ACAGGTCAAA 1						
	TTATTTTTTT T	TTCAGTCGGA	GTTTGACGTA	TAAATNGTTT	ATGCTTTTGG	TGTAATCTCT	300
	TAATAAACTG (320
30	SEQ ID NO:3	163					
	SEQUENCE LEI	NGTH: 180					
	SEQUENCE TY	PE:nucleic	acid				•
	TOPOLOGY: lin	near					
35	CLONE: HUMGS	03733					
	SEQUENCE DE	SCRIPTION:					
	GATCAGCTAG	CTTGATTCTT	GTGTACTTTT	TTNAAACTGT	GGGTTTTCCT	AGTAAATTTA	60
	ATTTACAGAA	ATNAATGGTA	GCATTTAGTA	ATCTACAAAG	GAAATATCAA	AGTNTTTTNN	120
	AAGCCTGTNA '	TATTCAGTGT	GTGCCACAGG	ATTGAAATAA	ATGACAATGT	AATTATGAAA	180
40							
	SEQ ID NO:3	164					
	SEQUENCE LE	NGTH: 303					
	SEQUENCE TY	PE:nucleic	acid				
45	TOPOLOGY: li	near					
	CLONE: HUMGS	03734					
	SEQUENCE DE						
	GATCAGAATT	CCGATTTGAC	GGGCAACCAA	TCAATGAAAC	AGACACACCT	GCACAGTTGG	60
	AAATGGAGGA	TGAAGATACA	ATTGATGTGT	TCCAACAGCA	GACGGGAGGT	GTCTACTGAA	120

	AAGGGAACCT GCTTCTTTAC					
	ATTAGAAAAC TGCAATTTGG	TTCCACCACA	TCCTGACTAC	TACCGTATAG	TTTTCTCTAT	240
	TCTTTCATTT CCCCCTTCCC	CATTCCTTTA	TTGTACATAA	AGTAACTGGT	ATATGTGCAC	300
5	AAA					303
	SEQ ID NO:3165					
	SEQUENCE LENGTH: 311					
10	SEQUENCE TYPE:nucleic	acid			-	
70	TOPOLOGY:linear					
	CLONE: HUMGS03736					
	SEQUENCE DESCRIPTION:					
	GATCTAGAGC CAGGCTGGTC	AAGACAAGAA	TTGGCTGGAA	TAGGCTGCTC	TTCCCCCATT	60
15	CCATCATGTG CTGTCCCCAC	CCCTTTGGCC	ACCTGGGCTG	ACTGTGTCTT	AATACCTCAA	120
	GTGCAAGTAT ATAGGAGTAA	GAAATNAACA	ATGCCTGCCT	CCTTATACTC	ATGCCTACAT	180
	TGTATGACAT CTAGTATGAA	AGGGAAACAT	TAAAGGAAAA	CCCTTGTTTT	GCTCTAAAAC	240
	CTGAGGACGG TAAACACTGA	GAGTAACCTG	GTGCTTGGTT	TGAAGTAAAA	CACAAATACT	300
	TCCCTTTTAA A					311
20					,	
	SEQ ID NO:3166					
	SEQUENCE LENGTH: 309					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear					
	CLONE: HUMGS03737					
	SEQUENCE DESCRIPTION:					
	GATCAAGGGC AATGCCAATG	AACATCGGCA	TGGATTATAA	TTATGCCCTC	CTGGAACTCA	60
	AAAAGCCCCA CAAGAGAAAA	TTTATGAAGA	TTGGGGTGAG	CCCTCCTGCT	AAGCAGCTGC	120
30	CAGGGGCAG AATTCACTTC	TCTGGTTATN	ACAATNNCCN	NCCAGGCAAT	TTGGTGTATC	180
	GCTTCTGTGA CGTCAAAGAC	GAGACCTATG	ACTTGCTCTA	CCAGCAATGC	GATGCCCAGC	240
	CAGGGGCCAG CGGGTCTGGG	GTCTATGTGA	GGATGTGGAA	GAGACAGCAG	CAGAAGTGGG	300
	AGCGAAAAN					309
35						
	SEQ ID NO:3167					
	SEQUENCE LENGTH: 309	•				
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
40	CLONE: HUNGS03738					
	SEQUENCE DESCRIPTION:					
	GATCTTGATA TGTTTTAACA					60
•	NACATTAAAC CTTTTCTAAA					
45	AACACTTATC GTTATGTATT					
	AGTTAAATGT TGCCACTGCT					
	TTTTGGCAGT TTTNATATAC	TCCNTTAAGA	TGTTGAATGT	TACAGGTTAN	TAAAGTTAAT	300
	ACCTTTAAA					309
50	OFO ID NO CLOS					
	SEQ ID NO:3168					

5	SEQUENCE LENGTH: 306 SEQUENCE TYPE: nucleic aci TOPOLOGY: linear CLONE: HUMGS03739	d
_	SEQUENCE DESCRIPTION:	
		TGACCTC AATTCTAAAG TAATTGTAGT AGGGAGCTGG 60
		AATTTTT TGAGCTACAA AAGAGCCTTG CAGAAATGGG 120
		TAAATGC TATATATTAG GAAAATAAAA AATATTTTAG 180
10		CAAAACA TGCTAGTTTT ATGCAGGGGA TTCTGTATTC 240
		ATAAAAG AATCAGATTC TTAACTATTG ACTCTTATTT 300
•	NGCAAN	306
15	SEQ ID NO:3169	
73	SEQUENCE LENGTH: 306	
_	SEQUENCE TYPE: nucleic aci	d
	TOPOLOGY:linear	
	CLONE: HUMGS03740	
20	SEQUENCE DESCRIPTION:	
	GATCATACCC AGAATTCAAT GTT	TGATATT TTAAGAATGT ATGTTCTAGT GTTTTTNAGA 60
	GTGAGTCTAC CATCTGTATA AAA	ACACCTT GGGGGCAGGC AGGGGCATTT AAAAATGTAG 120
•	GACCTATCGT CCAGACTCAC AGA	GTGGGGC TCCAGAATCT CCATTTTTAA CAAACTCTCT 180
25		AATCAGT GCCATTGGTG TGTGTGTACG TAACTATATA 240
	CATATGTGTG TGTGTGTATA TAT	ATAATGT GTCATAACCG TAAACAATAA ACAATATCAA 300
	GNTAAA	306
	SEQ ID NO:3170	,
30	SEQUENCE LENGTH: 306	
	SEQUENCE TYPE: nucleic aci	d
	TOPOLOGY: linear	
	CLONE: HUNGS 03741	
35	SEQUENCE DESCRIPTION:	•
50	GATCTGTCAT GTTTAAACCC CCT	ACTICIA AGGGAACTIC TCTAATCICT TATCCTCATC 60
	CCCAAATAGT GTTTTCTTCC TCT	GGGTTCT TATAATNTTG GTATCAATCT CACAGCATTT 120
•	AGTGCTTCCT GCCTGGTGTG ACA	GTTACCT GTGTGCATGT GCAATTTCTA ATTTCCCACG 180
	CTAGACTGTG AGCTTCCTAA GGC	AAGAATC ATGCCTTGTT GGTTTCTGTA TTCCTCATGG 240
40	TGCCAAACAC AGTGCCTTCT ACA	TTGCAGG CGCTGAATAA ACATTTTTAA AGCAAAAAAA 300
	TTNAAA	306
	SEQ ID NO:3171	
45	SEQUENCE LENGTH: 305	
70	SEQUENCE TYPE:nucleic aci	d .
	TOPOLOGY:linear	
	CLONE: HUNGS 03742	
	SEQUENCE DESCRIPTION:	
50	GATCTCCAGT GGTCAAAAGA CAT	TTACCCT TAATATCAGA CAACATTTAT ATTTTAGTGA 60

5	AGAAACAAGT TCTCGGGTGG GC AAAGCCTTTT TTTGTAAAAT AT GGAGTGTATT ATAAANCCTG CT CTCCTAAAGT ANGTGTTNGG GN AANGN	TTTAAATTT TTTATTTGC	ATATANGAAA CATGGGGCCN	ATGTTAGAAA GGGGGAGGCC	AAAATATGGG NGGCCTAATA	180 240
10	SEQ ID NO:3172 SEQUENCE LENGTH:303 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUNGS03743	cid				
15	SEQUENCE DESCRIPTION: GATCTCCGGG AGGGACAGAT GG GCAGCCTCCC GCCGAGGGGC CC GCGGACCTCA GGGAGCGAAC GT	CAGCCCCCA	ACCCACAGGC	AGGGAGGGC	ATCCCTCCCT	
20	TTNATACTTC ACTTTTCTCT AC TTTGGCCATA CCACAGAGCT AG AAA	CAGTGTTGT	TTTGTTGTTG	TTGGTTTTNA	TTTTTNATAC	240
25	SEQ ID NO:3173 SEQUENCE LENGTH:306 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUMGS03744	eid				
30	SEQUENCE DESCRIPTION: GATCACTITT GAGCTCTGAA GC TGAATATTAC CTTCTGTAGG AA ACTCTGTGCT GGCAAAAATG CT GTCAAATTTT TCAACAAAAG TC	AAAGGTGGA /	AAATAAGCAT CTATATTTCT	CTAGAAGGTT TTCGTTCATA	GTTGTGAATG AGAGGTAAAG	180
35	AAATATTGTT GTAATAGTCT GT					
40	SEQ ID NO:3174 SEQUENCE LENGTH:301 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUMGSO3745 SEQUENCE DESCRIPTION:	eid				
45	GATCAGCAAA CACGATAGAG GA GGAAAAGGGA GGGCGAGAAT NA CGTGGGAACT CCACTGGGGT NG ACACCCTCAG AGGAGCTGCA AC NTGCCACGGT GACACANCCA CA	ACCACACAA (BATGGGCTG (CCCGTGGCC 1	CACAGCONTT CCTGCACAGC TGGCCTGCTA	NGACCATGAG CCCTGGAGAG CATGCCCTGC	CAGAAGCGTC GGGGCCAGGC TTCCACGTGG	180 240
50	N					301

	SEQ ID NO:3175 SEQUENCE LENGTH:299
	SEQUENCE TYPE:nucleic acid
5	TOPOLOGY: linear
	CLONE: HUMGS03746
	SEQUENCE DESCRIPTION:
	GATCAAAGTT GTCATGAATA CTGACTTGGG CGTGGGACCC ATCCGAGATG TGCTGCACCA 6
	CATCTACAGT GCGCTGTATG TGGAGCTGGT GGTGAAGAAT CCCCTGTGCC CGCTGGGCCA 12
10	AACTGTGCAA AGTGAGCTCT TTCGCTCCCG ACTGGACTCC TATGTTCGCT TTCTGCCCNN 18
	NTTCTCCGCC CGGGCTGGCT GAAGCAACCT ACCTCAAGTN TCAGGAGAAT TCATGTCTNC 24
	CTGGGGCCCT TCCGAACCTT GTGCCAACTA AGGGCCCCCA NTGTAAGCCC CCGTACCTN 29
15	SEQ ID NO:3176
	SEQUENCE LENGTH: 298
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY:linear
	CLONE: HUMGS03747
20	SEQUENCE DESCRIPTION:
	GATCTGAATT ACTACAGAAA AATAATTATG TTGCTTGCTT AATNATTCCC AGGAAACTTC 60
	GTTGTAGGCA TATATTTTAT AAGAGTATTA TACAGTGTTA ACTATGCAAG TAAGTTCTAA 120
	AATNACACAA TNATCTGTGT AATGTTTTAG TCCAATNACT GTGATTTATT CAACTCTGTT 180
25	CTAAAGTTAT CTGGAATTGT CATGCTGCCT CAATTTACAG AAATCTATAA TAGATTTCTA 240
	TAGAAATGTA TAAAGACGTA GCAGTCATTT TGTTGTTTCT AAATAGATAA CATATAAA 298
	SEQ ID NO:3177
	SEQUENCE LENGTH: 297
30	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS03748
	SEQUENCE DESCRIPTION:
35	GATCAGAGTA TGGGTTCTCC ATGTAGCAAT ACTTCAGTGA GATTAAGTAT AAACAGTTTT 60
	TGGCAAAAAA CAACACAGTC TACTCTTTCT GCTTACAAAG ACAAAGCCTT ACAAACTCAC 120
	TATGAAGGTA AAGGGAGGAC AGCTTGCTTC TTTGCCCAGA CATTTACAAA GTTGTTTTTA 180
	AANCACACTC ATAAGTAAGT TTGGCAAGTT GTTTAAAAAA TGTCTCTTTG TTTTGTACAG 240
40	TTCTGTTAGA TGTTGTNATA TTTTAANAGT TTAATTTANA ANNTTTNATT TNGTCCN 297
40	CPO ID NO DIFFO
	SEQ ID NO: 3178
•	SEQUENCE LENGTH: 297
	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
45	CLONE: HUNGSO3749
	SEQUENCE DESCRIPTION:
	GATCTNATTA CCTTCACGGA AGGAAGCGGA CGCTCACCAC GCTATGCCCT CTGGTTCTNT 60
	GTGGGGGAGT CATGGCCCCA NNACCAGCCG TGGACCAAGA GGCTCGTNAT GGTCAAGGTT 120
50	GTGCCCACGT GCCTCAGGGC CTTGGTAGAA ATNGCCCGGG TAGGGGGTGC CTCCTCCTN 180
	180 Table and Control of the Control

	GAGAATACTG TNGACCTGCA	CATTTCCAAC	AGNCACCCAC	TCTCNCTTNA	CCTCCGACCA	240
	GTACAAGNCC TACCTGCAGG	ACTTGGTGGA	GGGNATGGAT	TTCCAGGGNC	CTGGGTN	297
5	SEQ ID NO:3179					
	SEQUENCE LENGTH: 295					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear				•	
	CLONE: HUMGS03750					
10	SEQUENCE DESCRIPTION:					
	GATCATCACA TTTCGTGAAT	TGAGGCCATG	TTCAGGTGCT	${\tt AAGGAAGTAT}$	GCCTTTNACA	60
	CAGAAGATTG AGAAAATTTC	CTAGATATAA	ATACAGATAA	ATCAGACGTT	ACAGTGGTGA	120
	CGTAGTAACC ATCATGGCAA	TGGAAAGNAG	TCCAATTCAT	AGCCTAAAAC	TTCAAATGTA	180
15	TTCTTAGGAG TCAGATTTTA	CTGAATATTT	TACCCACAAT	AGCTGCCTAT	TTTGTTATAA	240
	TAAAATATAT ATAANTNTAT	NTCTNNNCCT	TCCTTTAANC	TGTAAAANNA	NNNAN	295
	SEQ ID NO:3180					
	SEQUENCE LENGTH: 295					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03751					
	SEQUENCE DESCRIPTION:					
25	GATCCCAGCA CTACTTTTA	TTACTGGAGA	AATGGGGGGG	ATAGAAAATT	CTACTTTGAA	60
	TTATTTAGTT TTTTTTAAAG	AGTGGGTTGT	GTTTGTNCTT	CTCCCACCTT	TCAGCATTTA	120
	TAGAACATGC TGCCCCACAT	ACAAAGTCAA	GACCACTTAC	TTTTATGTGA	CACTAGTAGT	180
	TTGGGGTTAA TGTTTTGTGT	AAGANCAGCT	GCATATGAGT	AAAGTTACCC	CAACCACAGT	240
	GAGGAGGAAG ATGTTCACAT	ACTGGAACTG	TCCTGCCAAA	TAAATTTTGC	CCCTN	295
30						
	SEQ ID NO:3181					
	SEQUENCE LENGTH: 294					
	SEQUENCE TYPE: nucleic	acid				
35	TOPOLOGY: linear					
	CLONE: HUMGS03752					
	SEQUENCE DESCRIPTION:					
	GATCAGTTAA TGCCTAAGAG	TGAAAGTAGT	TCTATTGACA	TTCCTCAAGA	TATTTAATAT	60
	CAACTGCATT ATGTATTATG	TCTGCTTTAA	TCATTTAAAA	ACGGCAAAGA	ATTATATAGA	120
40	CTATGAGGTA CCTTGCTGTG	TAGGAGGATG	AANGGGGAGT	TGATAGTCTC	ATAAAACTAA	180
	TTTGGCTTCA NGTTTCATGA	ATCTGTAACT	AGAATTTNAT	TTTCACCCCA	ATAATGTTCT	240
	ATATAGCCTT TGCTAAAGAG	CAACTNATAN	NTTANCCCTA	TTCTNTCTGT	GAAA	294
45	SEQ ID NO:3182	*****				
	SEQUENCE LENGTH: 293					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03753					
50	SEQUENCE DESCRIPTION:					

	GATCCGTGCT GGAAACTCGC					
	CATGCTGGTC CTCGCCCGGC					
	GGTCACCATG AATTCCCTCA					
5	TGTAGGGGCC TACACCTTCT					240
	CTGAGGAGCC TGTTGTGAGG	GNCAGAATGA	GAANGGCAAT	AAAGGGNGAA	AGN	293
	SEQ ID NO:3183					
10	SEQUENCE LENGTH: 293					
,,	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS03754					
	SEQUENCE DESCRIPTION:					
15	GATCTGTGGA CTTTNATTTT					60
	ACAAAGTGAG AAAGGACAGG					
	AGTCTAAATN AGCAACCAGG					
	TCCAGGCAGT GTGAGGATTT	GCTGTATATA	AGTTGCCTGC	TTTGTATTNT	TNAAATCTCT	240
20	GCATCACTCA TTGGAAGTGC	TTCTNAAGAG	AGCTGCTCTG	TGTTCAGTTG	AAA	293
	SEQ ID NO:3184					
	SEQUENCE LENGTH: 395					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear	aciu				
20	CLONE: HUMGS03755					
	SEQUENCE DESCRIPTION:					
	GATCAAGATG ACCAAGATGT	ATAAAGGGTT	CCAAGCCTTA	GGGGATGCCG	CTCACATCCC	60
	GTTCGTNTAC ACCCCCGCCA					
30	GCAGCGAGGA GTTTNTCATT					
	GCAGTTTTNT GGCTCCCTGG					
	CCTACACTGT TGGCTGTGAG					
	TGCAGAGTGG CACTCATTGC					
35	TCCAGTCCCG TCAACTTGCC			00.0.000101	0.000.000.1	395
	SEQ ID NO:3185					
	SEQUENCE LENGTH: 290					
	SEQUENCE TYPE: nucleic	acid				
40	TOPOLOGY:linear					
	CLONE: HUMGS03756					
	SEQUENCE DESCRIPTION:			•		
	GATCAGCACT TNANTCGGAA	AGTTGGAACC	TCTGACAAGA	CCAAGTACTA	CCTTCAAGGT	60
45	AATCCGTGGC TTCCCACAAA					
•	TNAAACTAAC TCCCTTCAGT					
	AATTNTTTNC TTTGTTATGA					
	GCATTTCACT GTAGGCAAAT					290
50	SEU ID NU-3100					

55

SEQ ID NO:3186

	SEQUENCE LENGTH: 288	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
5	CLONE: HUMGS03757	
	SEQUENCE DESCRIPTION:	
	GATCCAGATG ACTGAATTTC AGATAGCATT TTTATGATTC CCAACTCATT GAAGGTCTTA 6	
	TITATATAAT TITTTCCAAG CCAAGGAGAC CATTGGCCAT CCAGGAAATT TGGTACAGCT 12	
10	GAAATATAGG CAGGATGTTC AACATCAGTT TACTTGCAGC TGGAAGCATT TGTTTTTGAA 18	
	GTTGTACATA GTAATAATAT GTCATTGTAC ATGTTGAAAG GTTTCTATGG TACTAAAAGT 24	
	TTGTTTTATT TTATCAAACA TTAAGCTTTT TTAAGAAAAT AATTGGGN 28	8
	SEQ ID NO:3187	
15	SEQUENCE LENGTH: 288	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUNGS03758	
20	SEQUENCE DESCRIPTION:	
20	GATCCCCAAA AAGTGAATAT CAATGGAGGA GCTGTTTCTN TGGGACATCC AATTGGAATG 60	_
	TCTGGAGCCA GGATTNTTGG TCATTTNACT CATGCCTTGA AGCAAGGAGA ATACGGTCTT 120	
	GCCAGTATTT GCAATGGAGG AGGAGGTGCT TCTNCCATGC TAATTCAGAA GCTGTAGACA 180	
	ACCTCTGCTA TTTAAGGAGA CAACCCTATG TGACCAGAAG GCCTGCTGTA ATCAGTGTGA 240	
25	CTACTGTGGG TCAGCTTATA TTCAGATAAG CTGGTTTCAT TTTTNATN 288	8
	SEQ ID NO:3188	
	SEQUENCE LENGTH: 285	
20	SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY: linear	
	CLONE: HUNGS03759	
	SEQUENCE DESCRIPTION:	
	GATCAGCAGC TGTGGAAATA AAGCTTGTNA GCCCTCTGCT GGCCACAGTA NAGGAAAGTA 60	
35	GCACAAATAG GATACAGTTG TATGTAGTCA TTGGCAACAA TTGCATACAA TTTTACTACC 120	
	AAGAGAAGGT ATAGTATGGA AAGTCCAAAT NACTTCCTTG ATTGGATGTT AACAGCTGAC 180	
	TGGTGTGAGA CTTGAGGTTT CATCTAGTCC TTCAAAACTA TATGGTTGCC TAGATTCTCT 240	
	CTGGAAACTG ACTTTGTCAA ATAAATAGCA GATTGTAGTG TCAAA 285	5
40	SEQ ID NO:3189	
	SEQUENCE LENGTH: 284	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
45	CLONE: HUMGS03760	
	SEQUENCE DESCRIPTION:	
	GATCTCACCA TTATGACATC CATCCCCCTA GCTCACCACA TAGCACATAG AATGATATTT 60	
	TTAATTTGTA AGAGGCCATC CAGGTACTAA GGNCCCAAGG CATACAGATT CACAAAATNA 120	
50	ACTAATCTTT TTGCCTCAGA ATACCAAAAC ANCAAAANTA TAAAGCTGTA TTTGGACANC 180	
50	TANAAAACAC CAAACTATCT CATTGCAATT NGTATTGTAG CAGATGTTCA GCAACTATCC 240)

	TAATCANTGT TATTGTGTTC	CANTTTAACT	GGGTTAAATG	TTTN		284
5	SEQ ID NO:3190					
J	SEQUENCE LENGTH: 282					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03761					
10	SEQUENCE DESCRIPTION:					
	GATCTCGACT CCCCCCTGGC	CACAGACCCC	CAGGTCATTG	TGTTCACTGT	ACTCTGTGGG	60
	CAAGGATGGG TCCAGAAGAC					
	GAAGCCAAAG AGACTGGGCC					
15	CAAGCTCCTC CCTTGAGAAT					
	TTGTGACAAA ATGTTGNTAA					282
	SEQ ID NO:3191					
	SEQUENCE LENGTH: 279	-				
20	SEQUENCE TYPE:nucleic	acid		•		
	TOPOLOGY: linear					
	CLONE: HUMGS03762			•		
	SEQUENCE DESCRIPTION:				•	
25	GATCTGGAGA AGTAAGATGG	CCAAATAAAA	GCCTCTACCA	ATCATCCTCC	CCACAGGAAC	60
	ACCAAATTTA AGAACTATCT	ACACAAAAA	GCACCTTCAT	AAGAACCAAA	AATCAGAGAG	120
	AACAAGGATA AAGAAGTATC	CAAATACAAA	GAAAATGTTA	TGCAAGTGAC	CTTTAGAGAT	180
	GTTTTAAAGA TGACAAAATA	TTGATGANGA	TGGGCCAACA	AGTGTTACTG	TTACCTCTAA	240
	TAAAGTTTCA TCACTAGTTT	CACCATGGTT	AATTGGAAA			279
30						
	SEQ ID NO:3192					
	SEQUENCE LENGTH: 277					
	SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear					
	CLONE: HUMGS03763					
	SEQUENCE DESCRIPTION:		•			
	GATCTGCTCA AATGCACCAA					
	ATCGTCATCT GAAGGACAGA					
40	AACAATTATG GGATGTCATC					
	TTGTNATTAT ACTTTAAATA			ATGTTCCTAT	ATTTTCAATG	
	TATCTTTTC CTTCAGTAAA	CCTGATATTC	AAATAAA			277
45	SEQ ID NO:3193					
· -	SEQUENCE LENGTH: 277					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03764					
50	SEQUENCE DESCRIPTION:					
	GATCACAGGG AGCCTGTGTT	TGTTGGAGGT	GTTCCAGAAT	CTNTACTGAC	ACCACGCTTG	60

	GCCCCCAGCA AACCNTTCAC	AGGCTGCATA	CGCCACTTTG	TGATTGATGG	ACACCCAGTG	120
	AGCTTCAGTA AAGCAGCCCT	GNTANGCGGC	GCCGTANGCA	TCAACTCCTG	TCCAGCAGCC	180
	TGACATGACA NAGCACAGCT	GCCCAANTAC	AAAGTTCTTT	AGNGCAATGN	AAGNAACACA	240
5	AAAGCCAGNC CAGGAGGCNC	CAGTTNCTTA	TTCCTTN			277
	SEQ ID NO:3194					
	SEQUENCE LENGTH: 272					
10	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear		•			
	CLONE: HUMGS03765					
	SEQUENCE DESCRIPTION:					
	GATCACAGAA GCCACTGCAC	TCCAGCCTGG	GTGACAGAGT	GAGACTCTGT	CTCAAAAAAA	60
15	AATTAAATAA ATTATTATAA	CCTTTCAGAA	ATGCTGTGTG	CATTTNNATG	TTCTTTTTTT	120
	TAGCATTACT GTCACTCTCC	CTAATGAAAT	GTACTTCAGA	GAAGCAGTAT	TTTGTTAAAT	180
	AAATACATAA CCTCATTCTG	ANTAATGTCC	CTCATTTTGA	CTATAACTGT	GCTTGGTTTC	240
	AAANGCAAAN TTAANCAAAA	ATCTCAGTCA	AA	•		272
20	ara in No. 2105					
	SEQ ID NO:3195					
	SEQUENCE LENGTH: 272		•			
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE: HUMGS03766					
25	SEQUENCE DESCRIPTION:					
	GATCTCCTGC TGGTCAGTGG	GCCGCCCCA	CCACTACCGT	GCCCTCCTAC	CAGGTGAGCC	60
	CGCTGGCCGC CCGCCTGCTC					
	ACTACTGCGT ATGGCGGGAC					
30	TGCCCGGCCC ACCAGGGANT					
	GGCCGTNANG TTTTAATGAC			CAINAMOITI	MINNIMINI	272
	·	CANTAGGRET	O.N			412
	SEQ ID NO:3196					
35	SEQUENCE LENGTH: 269					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03767					
40	SEQUENCE DESCRIPTION:					
40	GATCCCATCT NTTTTCCCTT	CTTTCCTCCT	GGTTCCGGTC	AGTTCAGAGG	ATTTAACAAT	60
	CACAAGTGTC CTGCAAAAAT	GCCTGAACAT	TATTCTTAGG	CCCTCGTGGA	TTTTTTTTT	120
	CAGAAAACTT AAACAAAAA					
	GCACTATGTT TGNGANCATT		ANGTTCACAC	GTGGCATCAG	CCCATGCAAG	
45 .	ATAGGTTTCT GTATTNNTAT	ATNANNNTN				269
	SEQ ID NO:3197					
	SEQUENCE LENGTH: 269					
	SEQUENCE TYPE:nucleic	acid			•	
50	TOPOLOGY-linear					

5	CLONE:HUMGS03768 SEQUENCE DESCRIPTION: GATCCAGCGA GGGGTCCAGG AATNAGCTCT CCTCCAGCTT ACAAGGAGAG GGTCTGCTTG GAGTGCAGGG TGGGGGCAAG AGGACAAAAT AAACAGTATT	TGGCTTTGGG AGAAATGCCA ACTGGGCTGT	AAGCCAGACT GATGCTTGGT	CCAGGGACTG CCCCAGGAAC	AAAAGNAGCA TAAGGCGACA	120 180
10	SEQ ID NO:3198 SEQUENCE LENGTH:267 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS03769 SEQUENCE DESCRIPTION: GATCCCCTGG AGCCCAGGAG GACCACATCG GCTTTNAGNA					
20	CTGCTGGCCT GGCCGGCAAC CCCTTGCCCT TGCCCTGACC CTCCCAAATA AACTCCAGAA	CCCAGTTCTG TCCCAGCCCT	CTCCTNTCCA	GGCACCCTTC	TTTCCTCTTC	180
25	SEQ ID NO:3199 SEQUENCE LENGTH:266 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03770	acid				
30 .	SEQUENCE DESCRIPTION: GATCTGAACC TGTCATTTGA TGTGGAGACT TTTCTTCCCC GACATCAATN AGGTTCTCTT	ATTTTCCCTC	CCTCCTTTTT	CCTTTCCATG	TTACATGAGA	
35	ATAAAATAAA ACTGGCCTGA AATAAAAGAA TTCTTTCTTT	CTTAAGATAA				
40 .	SEQ ID NO:3200 SEQUENCE LENGTH:265 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUHGSO3771 SEQUENCE DESCRIPTION:	acid				
45	GATCTGACTT GGGGAAAGGG GTACATACCA CACTCCTTGG CCACATTCCT GCACAACTCA AAATTTTTTG TCCCTACATA TAAAAAATCCA TTTTGTGAAA	CTTCCTTTCT TTTCTGAAAA GCAATTTTCT	CTTCCCTTAA CCTACCATGT	CCCTTTCTGC TTCTTTACAG	TTTTCATTAA AGCCATCCAA	180
50	SEQ ID NO: 3201					

SEQ ID NO:3202 SEQUENCE LENGTH:260 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03773 SEQUENCE DESCRIPTION: GATCCACCTG CCTCGGCCTC CCAAAGTGCT GGGATTACAG GCGTGAGCAC CATGCCCANC CACCTTTTCT ATNTTTAGAT ACATAAACAC TCACCACTGT GTCACAGTCA CCTACAGTAT 1 TCAGTACAGT AGCATATGCT GTACAGGCTT GTAGCCTAGG AGCAATAGGC TATACCATAT 1 AGCCTAGGTG TGTACACCAT CTAGGTTTTT CTAACTACAC TCTATGGNGT TCACACAATA 2 SEQ ID NO:3203 SEQUENCE LENGTH:225 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03774 SEQUENCE DESCRIPTION: GATCCCAGCT TATGGCCTTG ACCCAGCCGT CCTCACAGAT GCCGGGTGAC CCTCTAGCTC TCTCTGCATC TCCCACCCCC CGACACCCTG GGACCCTCGA CCCCACCCTT CTTTCCTACC 1 AGCCCAGAGC CTTGTGGCTT GTACAGTTTT GAAACTCCCG TTCTATTTTA TGATGGTTGA 1	80
CCACCCACCT TTGGGCCTNC CAAAGTGCTG GGATTATAGG CATGGANCCA CCGTGNCTGG 2 NCANAGATGT AAGTNTAAAT TN SEQ ID NO:3202 SEQUENCE LENGTH:260 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03773 SEQUENCE DESCRIPTION: GATCCACCTG CCTCGGCCTC CCAAAGTGCT GGGATTACAG GCGTGAGCAC CATGCCCANC CACCTTTTCT ATNTTTAGAT ACATAAACAC TCACCACTGT GTCACAGTCA CCTACAGTAT 1 TCAGTACAGT AGCATATGCT GTACAGGCTT GTAGCCTAGG AGCAATAGGC TATACCATAT 1 AGCCTAGGTG TGTACACCAT CTAGGTTTTT CTAACTACAC TCTATGGNGT TCACACAATA 2 SEQ ID NO:3203 SEQUENCE LENGTH:225 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03774 SEQUENCE DESCRIPTION: GATCCCAGCT TATGGCCTTG ACCCAGCCGT CCTCACAGAT GCCGGGTGAC CCTCTAGCTC 35 TCTCTGCATC TCCCACCCCC CGACACCCTG GGACCCTCGA CCCCACCCTT CTTTCCTACC 1 AGCCCAGAGGC CTTGTGGCTT GTACAGTTTT GAAACTCCCG TTCTATTTTA TGATGGTTGA 1	40
SEQUENCE LENGTH:260 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03773 SEQUENCE DESCRIPTION: GATCCACCTG CCTCGGCCTC CCAAAGTGCT GGGATTACAG GCGTGAGCAC CATGCCCANC CACCTTTCT ATNTTTAGAT ACATAAACAC TCACCACTGT GTCACAGTCA CCTACAGTAT 1 TCAGTACAGT AGCATATGCT GTACAGGCTT GTAGCCTAGG AGCAATAGGC TATACCATAT 1 AGCCTAGGTG TGTACACCAT CTAGGTTTTT CTAACTACAC TCTATGGNGT TCACACAATA 2 SEQ ID NO:3203 SEQUENCE LENGTH:225 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03774 SEQUENCE DESCRIPTION: GATCCCAGCT TATGGCCTTG ACCCAGCCGT CCTCACAGAT GCCGGGTGAC CCTCTAGCTC TCTCTGCATC TCCCACCCCC CGACACCCTG GGACCCTCGA CCCCACCCTT CTTTCCTACC 1 AGCCCAGAGC CTTGTGGCTT GTACAGTTTT GAAACTCCCG TTCTATTTTA TGATGGTTGA 1	
SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03773 SEQUENCE DESCRIPTION: GATCCACCTG CCTCGGCCTC CCAAAGTGCT GGGATTACAG GCGTGAGCAC CATGCCCANC CACCTTTTCT ATNTTTAGAT ACATAAACAC TCACCACTGT GTCACAGTCA CCTACAGTAT 1 TCAGTACAGT AGCATATGCT GTACAGGCTT GTAGCCTAGG AGCAATAGGC TATACCATAT 1 AGCCTAGGTG TGTACACCAT CTAGGTTTTT CTAACTACAC TCTATGGNGT TCACACAATA 2 SEQ ID NO:3203 SEQUENCE LENGTH:225 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03774 SEQUENCE DESCRIPTION: GATCCCAGCT TATGGCCTTG ACCCAGCCGT CCTCACAGAT GCCGGGTGAC CCTCTAGCTC TCTCTGCATC TCCCACCCCC CGACACCCTG GGACCCTCGA CCCCACCCTT CTTTCCTACC 1 AGCCCAGAGC CTTGTGGCTT GTACAGTTTT GAAACTCCCG TCTTATTTTA TGATGGTTGA 1	
SEQUENCE DESCRIPTION: GATCCACCTG CCTCGGCCTC CCAAAGTGCT GGGATTACAG GCGTGAGCAC CATGCCCANC CACCTTTCT ATNTTTAGAT ACATAAACAC TCACCACTGT GTCACAGTCA CCTACAGTAT 1 TCAGTACAGT AGCATATGCT GTACAGGCTT GTAGCCTAGG AGCAATAGGC TATACCATAT 1 AGCCTAGGTG TGTACACCAT CTAGGTTTTT CTAACTACAC TCTATGGNGT TCACACAATA 2 SEQ ID NO:3203 SEQUENCE LENGTH:225 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03774 SEQUENCE DESCRIPTION: GATCCCAGCT TATGGCCTTG ACCCAGCCGT CCTCACAGAT GCCGGGTGAC CCTCTAGCTC AGCCCAGAGC CTTGTGGCTT GTACAGTTTT GAAACTCCCG TTCTATTTTA TGATGGTTGA 1	
CACCTTTCT ATNTTTAGAT ACATAAACAC TCACCACTG GTCACAGTCA CCTACAGTAT 1 TCAGTACAGT AGCATATGCT GTACAGGCTT GTAGCCTAGG AGCAATAGGC TATACCATAT 1 AGCCTAGGTG TGTACACCAT CTAGGTTTTT CTAACTACAC TCTATGGNGT TCACACCAATA 2 AAATTGCCCA NCGACGCAAA 2 SEQ ID NO:3203 SEQUENCE LENGTH:225 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03774 SEQUENCE DESCRIPTION: GATCCCAGCT TATGGCCTTG ACCCAGCCGT CCTCACAGAT GCCGGGTGAC CCTCTAGCTC TCTCTGCATC TCCCACCCCC CGACACCCTG GGACCCTCGA CCCCACCCTT CTTTCCTACC 1 AGCCCAGAGC CTTGTGGCTT GTACAGTTTT GAAACTCCCG TTCTATTTTA TGATGGTTGA 1	
AGCCTAGGTG TGTACACCAT CTAGGTTTTT CTAACTACAC TCTATGGNGT TCACACAATA 2 SEQ ID NO:3203 SEQUENCE LENGTH:225 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03774 SEQUENCE DESCRIPTION: GATCCCAGCT TATGGCCTTG ACCCAGCCGT CCTCACAGAT GCCGGGTGAC CCTCTAGCTC TCTCTGCATC TCCCACCCCC CGACACCCTG GGACCCTCGA CCCCACCCTT CTTTCCTACC 1 AGCCCAGAGC CTTGTGGCTT GTACAGTTTT GAAACTCCCG TTCTATTTTA TGATGGTTGA 1	
SEQUENCE LENGTH:225 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03774 SEQUENCE DESCRIPTION: GATCCCAGCT TATGGCCTTG ACCCAGCCGT CCTCACAGAT GCCGGGTGAC CCTCTAGCTC TCTCTGCATC TCCCACCCCC CGACACCCTG GGACCCTCGA CCCCACCCTT CTTTCCTACC 1 AGCCCAGAGC CTTGTGGCTT GTACAGTTTT GAAACTCCCG TTCTATTTTA TGATGGTTGA 1	
SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03774 SEQUENCE DESCRIPTION: GATCCCAGCT TATGGCCTTG ACCCAGCCGT CCTCACAGAT GCCGGGTGAC CCTCTAGCTC TCTCTGCATC TCCCACCCCC CGACACCCTG GGACCCTCGA CCCCACCCTT CTTTCCTACC 1 AGCCCAGAGC CTTGTGGCTT GTACAGTTTT GAAACTCCCG TTCTATTTTA TGATGGTTGA 1	
GATCCCAGCT TATGGCCTTG ACCCAGCCGT CCTCACAGAT GCCGGGTGAC CCTCTAGCTC TCTCTGCATC TCCCACCCCC CGACACCCTG GGACCCTCGA CCCCACCCTT CTTTCCTACC 1 AGCCCAGAGC CTTGTGGCTT GTACAGTTTT GAAACTCCCG TTCTATTTTA TGATGGTTGA 1	
AGCCCAGAGC CTTGTGGCTT GTACAGTTTT GAAACTCCCG TTCTATTTTA TGATGGTTGA 1	60
SEQ ID NO:3204 SEQUENCE LENGTH:216	
SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
CLONE:HUMGS03775 SEQUENCE DESCRIPTION: GATCTGCCCG CGGCGNACCC GTGTTATGTT TTGTGCTGTG TCCACGCGCT AAGACGACCC	
CCTCCCCCGT ACTGACTTCT CCTATAAGCG CTTCTCTTCG CATAGTCACG TAGCTCCCAC 1 CCCACCCTCT TCCTGTGTCT CACGCAAGTT TTNNACTCTA ATATNNNNAT GGCTTTTTTT 1 CTTCGGCAAA AAAATAATAA AACGTTTCTT CTGAAA 2	60

5	SEQ ID NO:3205 SEQUENCE LENGTH:256 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03776 SEQUENCE DESCRIPTION: GATCTGACAC TTCCTTTCCA	TTGCTTGGCC				60
10	GGAGTCCATG CCTCGTCTTC AGCCTGACTC ATTCTTCTTG TATTCCTGCC TCCTCACTCC CAAGTTGCAC AGTAAA	GCTGCAGCCT	CTTCCCCACT	TCCTGGGAGT	GACCCAGCGT	180
15	SEQ ID NO:3206 SEQUENCE LENGTH:256 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid .				
20	CLONE: HUMGS03777 SEQUENCE DESCRIPTION: GATCTCTTTT NATCATATAT CATATTTATN AATTTCAAGG AATAAGCTTT ATGTTTCAAG	GAATATTGAA	AGGTTTTAAA	ATGGCATACA	GATAATGGAA	
25	AATGATATGC TATTATNCTT NTAACTNTAA CCCTCN					
30	SEQ ID NO:3207 SEQUENCE LENGTH:253 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03778 SEQUENCE DESCRIPTION:	acid				
35	GATCCCAATT CGAGAGGTTC TGCCCGAGCC GACCTGTCTT CTGCTGTGCC ATCAACAAGG TNAGCTGGAG CCTCCCATGC NNGGNNTCGC ANN	GTCTCGTCCC TGCTTATGGG	AGCCACCAGC NAACGTTCCA	GTGGCTGTGC TACCGGGGGN	GNAGAGGGAC GCCGCCCAAA	180
40						
45	SEQ ID NO:3208 SEQUENCE LENGTH:252 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03779 SEQUENCE DESCRIPTION:					
	GATCATGNTT CATGTGCTAA GAAAGCTCTT ATNAGTATTC					
50	TTGTTATGTA GCAGACACTC					

	TCTTTTATA GTTGAGAATC TTTCTTATTA AA	TCAGGATACC	TACATTTATC	ACTTTTTCAA	TATATATGTA	240 252
5	SEQ ID NO:3209 SEQUENCE LENGTH:251 SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear CLONE:HUMGS03780 SEQUENCE DESCRIPTION: GATCAAGCTG TCCGAACCTA	CCAAGAGCAC	AAAGCAAGCA	TGCATCCCGT	GACTGCAATG	60
15	CTGGTGGGGA AAGACTTAAA CTCTTTTTTA AATGGAATTC TTTTTAGTTT TGGCTTTTTA TTCTTCTTAA A	GTAAAGAAAT	ATAAAACTTC	AGCTCACAAT	TAAAACTGTC	180
20	SEQ ID NO:3210 SEQUENCE LENGTH:250 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03781	acid				
25	SEQUENCE DESCRIPTION: GATCTTGTGT TCAGATGAAA CCCATGATGA TGAAGGAAAA AAGCCACGCC TTTCCATTTT ATAACAGCCT TTTTATATTT CCATTTTAAA	TGGAGAGATT TCAATGCTGC	TTTCTTTTTA ATATTTAATC	ACTCTGNNNN TGCAACAAAA	NTCAGAGATG ATGTTAAGCC	180
30	SEQ ID NO:3211 SEQUENCE LENGTH:251					
35	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03782 SEQUENCE DESCRIPTION:	acid				
40	GATCTTACTT GCTCCTGCTT ACACTCCTGA ACAGTCATGT TCTATAAATT TNACTCATGG TAAGTATTTA ACCATAGCTA GTTACTTCAA A	TTTTNAAAAT ATGTTAGGAA	NTTCCTTTAT ATCTAGTCAT	ATCAAGTCAG CTTCCCTGTG	AGAGTATACT ATTGCCCTGT	120 180
45	SEQ ID NO:3212 SEQUENCE LENGTH:250 SEQUENCE TYPE:nucleic	acid				
50	TOPOLOGY:linear CLONE:HUMGS03783 SEQUENCE DESCRIPTION:					

5	GATCTAGACT GAGAATCAGC AGACTTTTGT GTAACTATTT GAGGATGTGT GTGTATGCAT TTTTCCTTTG TTATTCAATT AATGAGCAAA	GTACCGTAGA GTGTTTGAAT	CAGAATGTGA TCACAAGGAA	GGAGGAAGTA GAAATTATTT	ACACACAGAG ATCTTGAGCT	180
10	SEQ ID N0:3213 SEQUENCE LENGTH:250 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03784	acid				
15	SEQUENCE DESCRIPTION: GATCTAACGT GTTCCAGTGT TATCCAGAGT CATGGGAGAG TNAAATCTTC CCAGTATTAT ACCTGGCGGT GTATACCAGG	TACACNCTTT AAATTGTGTA	CCAGGAATAA TTTAAAAAAA	TGTTTTGGGA AGAAACTTTT	AACACTGAAA CTGAATGCCT	120 180 240
20	TTGAGGNAAA					250
25	SEQ ID NO:3214 SEQUENCE LENGTH:250 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03785 SEQUENCE DESCRIPTION:					
30	GATCATAGGT CTGGACACTC CGGAATGCCA ATNAACTAGA AGGTTTTGCC ATCCACAATC GCTTCTATTC CATAGCTACG ACATCTCAAA	GACCCTCCAG CCTCCTACAG	CCCCCAAGGG GGCCTGGCTC	GAGGATTTGG ACAAAAAGAG	GCAGAACCTG TGCAACAAAT	180
35	SEQ ID NO:3215 SEQUENCE LENGTH:250 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03786	acid				
40	SEQUENCE DESCRIPTION: GATCAAACTG CCATTCACAG CATTGTATAA AAAAACCTAA CTATTCGGAT AATTTCTTAA	AAGCAGTATC ATATTGATGA	TGTTNNTNNN NCTTTGGAGT	GCTGTAAACC ACTGTTTCTN	AAGTTGGAAG CCTTCAAACT	120 180
45	GAATGTAATT AATNCATGAT TGGGNTTTTN	TAAATGCACC	TNATATGTTT	AANCAATCTT	TGTATACTTN	240 250
50	SEQ ID NO:3216 SEQUENCE LENGTH:252 SEQUENCE TYPE:nucleic	acid				

	TOPOLOGY:linear CLONE:HUMGSO3787 SEQUENCE DESCRIPTION:					
5	GATEGECACA CTGCCACTET	GCTGCCCAGC	CACCAGGATT	TCTGCCTGGA	GCCCTTTGCC	60
	CTGTCCCTGC TGCCTGAGGT					
	CACAAATCGT TGTTCAATGA					
	- GGTGAAGAGA AACAATCACT					
	CCGAACACTA AA					252
10						
	SEQ ID NO:3217					
	SEQUENCE LENGTH: 336					
	SEQUENCE TYPE: nucleic	acid				
15	TOPOLOGY:linear					
	CLONE: HUMGS03788					
	SEQUENCE DESCRIPTION:					
	GATCTGTATT GGATAAGGAC	CAATGNACAG	CAAAGCAAAA	ATGGCTTTAA	AGCTTGGTGT	60
	TACTTTTNTT AAGTTGTTTA	ATTATAGTTA	AGCAATTTCA	AAAATGCTCC	AAAGAAATGT	120
20	GAAAGGACCT TTTGTCACAG	CACTTCAGAA	AATACACAAC	AGCCCCTTCT	GCCCCGCAC	180
	AGAAATGCTG CAGAGTATAT	AAAACTTGAG	ACATTTTTGT	AGGATGCCTG	ACGAGGTGTN	240
	GCCTTTTATC TTGTTTCCGG	ATGCATATTT	ATTACGAGTA	CTCTGGTTAA	ATATTGAAAA	300
	GTTATATGCT GTAGTTTTTA	GTATTTTGTC	TTTGTN			336
25 .						
	SEQ ID NO:3218					
	SEQUENCE LENGTH: 227					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
30	CLONE: HUMGS03789					
	SEQUENCE DESCRIPTION:					
	GATCTCGAGT GTTATTTTCT					60
	GAGATGCATT TATAGCCCTA					
35	CCTTGGGAAT AGTTGGCTGC				TTGANGTTTG	180
	TTTTCTGATG CTGTTCTTAC	CAGNTTGGGA	AAAAAGTGTG	GATTAAA		227
`						
	SEQ ID NO: 3219					
40	SEQUENCE LENGTH: 248					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03790					
	SEQUENCE DESCRIPTION:					
45	GATCTGCATA GAAAATTTTN					
	TTAAAAAGGA AGCAGAAATA					
	GAACCCATTC TNGCATATCT					
	ATCAACAAAA GCCTTTGNNA	CATGGGTTTN	CACTNGATAT	CACCTAGTGC	TNANGNTAGA	240
	NGCCAANN					248

	SEQ ID NO:3220						
	SEQUENCE LENGTH	1:245					
	SEQUENCE TYPE:D	ucleic	acid				
5	TOPOLOGY: linear						
	CLONE: HUMGS0379	1					
	SEQUENCE DESCRI	PTION:					
	GATCCAGTGC TCTC	CCATCT	AACAACTAAA	CAGGAGCCAT	TTCAAGGCGG	GAGATATTTT	60
	AAACACCCAA AATN	TTGGGT	CTNATTTNNA	AACTTTTAAA	CTCACTACTG	ATGATTCTNA	120
10	CGCTAGGCGA ATTT	TTCCAA	ACACATAGTG	TGTGTNTTTT	GTATACACTG	TATGACCCCA	180
	CCCCAAATCT TTGT	ATTGTC	CACATTCTCC	AACAATAAAG	CACAGNGTGG	ATTTAATTAN	240
	GCAAA						245
	•						
15	SEQ ID NO:3221						
	SEQUENCE LENGTH	1:244					
	SEQUENCE TYPE:n	ucleic	acid				
	TOPOLOGY: linear						
20	CLONE: HUMGS0379	2	-				
20	SEQUENCE DESCRI	PTION:					
	GATCCACCCG CGTT			•			60
	CTAAAATCCA TATI						
	CTCCACTGAC TTCC	TAGGCC	CTGTAATTTA	ACCAGTCTTT	AAGGTTTTGC	AGGAAAGTCC	180
25	CTTCTTCCAA GTGG	TTTTTC	CAAATCGCAC	AATGGCAAAG	CCAAACAGAG	GAAGAAACAT	240
	TAAA						244
	SEQ ID NO:3222						
	SEQUENCE LENGTH	1.244	-				
30	SEQUENCE TYPE:n		acid				
	TOPOLOGY: linear		acru				
	CLONE: HUMGS0379						
	SEQUENCE DESCRI				-		
35	GATCAGATTG CTGA		ATGGGAACAG	GTATTGAAGC	CCCTGGGTGA	TAATNTAATG	60
33	GAGGAAAACA TAAG						
	TCTCATCATG CCAG						
	TTTTTTTNA TGCT						
	CAAA			0.0			244
40							
	SEQ ID NO:3223						
	SEQUENCE LENGTH	1:246					
	SEQUENCE TYPE:	nucleic	acid				
45	TOPOLOGY: linear	•					
	CLONE: HUMGS0379	34					
	SEQUENCE DESCRI	PTION:					
	GATCCAGGAG GAGG	CAGCACC	CGAGCCCTGG	AGTGGCCCAG	TACCCTTCCA	AGAGGCCACA	60
	GTCCCAGCCA GGAC	CAAAGTA	TGCGGCCCAT	CCTGGTGCGN	CAGGTGGGAC	AATGTGAACA	120
50	TGGACTCGAA GACA	ATGGCCC	TTTCTCTGTA	GTTGATTTTT	TAAATGTGCC	ATTATTGTTT	180

	TTAAAAAANN CGGNAAAANG GNCAAA	AAANGCANAC	AAATAAAACA	CCTTTAAGAG	GCTTGAANGC	240 246
5	SEQ ID NO:3224					
	SEQUENCE LENGTH: 243					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03795					
10	SEQUENCE DESCRIPTION:					
	GATCATAACT CATGAATATG					60
	ATCTGGAAAT ATTGTAGCAA					
	CTAATGTAAT CCTTTAAAAA					
15	CTACTCATAA TTTTTTAAAG	TTTATGAAGT	TATATTTATC	AAATAAAAAC	TTTCCNATAT	240
	AAA					243
	SEQ ID NO:3225	•				
20	SEQUENCE LENGTH: 241					
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03796					
	SEQUENCE DESCRIPTION:	CDD C				
25	GATCTGACCT TTTTTTTCCA					
	GAGTCAGCAT AACATAGTGG CTCTCATTAT AAAATAGGAA					
	ATTAAATGGA CTAATGTATG					
	A	CAAAAAGCCI	GGCAAACAAT	ANACACICAI		241
30	n					241
	SEQ ID NO:3226					
	SEQUENCE LENGTH: 240					
	SEQUENCE TYPE:nucleic	acid				
••	TOPOLOGY: linear	u				
35	CLONE: HUMGS03797					
	SEQUENCE DESCRIPTION:					
	GATCAAAATA TATTTGTCCA	GAAACTCTTG	GGCCAGTTCT	CTGAGAAGGA	ACTGGCTGCT	60
	GAAAAGAAAC GCATCCTGCA					120
40	TCAAGGAAGT AAGAGGAGGA	GGTGATGTAG	CACTTCCAAG	ATGGCACCAG	CATTTGGTTC	180
	TTCTCAAGAG TTGACCATTA					
	SEQ ID NO:3227					
45	SEQUENCE LENGTH: 239					
-	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS03798					
	SEQUENCE DESCRIPTION:					
50	GATCCTCCCA CCTNCAGCCT	CCCAAGTAGC	TGGGACTACA	GGCACATGCT	ACCATGCCCA	60

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	GCTAATTAAA AAAAATTTTT	TTTTTGTAGA	GACGGAGTTT	CACTGTGTTG	CTCAGGCTGG	120
	TCTTGAACTC CTGAGTTCAN	GCAACCCTCC	ACTTCAGCTT	CCCAAAGTGC	TGGGATTACA	180
	GGCATCACTG GCCCAGGCAG					
5						
	SEQ ID NO:3228					
	SEQUENCE LENGTH: 238					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
10	CLONE: HUMGS03799					
	SEQUENCE DESCRIPTION:					
	GATCAAATTT NATTGAATGG	TTTGAGGTTG	TAGCTCTATA	AATAGTAGTT	TTTAACATGC	60
	CTGTAGTATT GCTAACTGCA					120
15	ATTGACATTA ATGACACTGT	ATACAATAAA	NGTGTAGTTN	CTNAATCGCA	CTACCTATGC	180
	AACACTGTGT ATNAGGTTTA					238
	SEQ ID NO:3229					
	SEQUENCE LENGTH: 237	•				
20	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03800					
	SEQUENCE DESCRIPTION:					
25	GATCCAAAGC CATCCCAGAC	CTTCCCGGGC	CCCTCTTCCT	GGCAGATGAC	TCTCCCCGCT	60
	TCTGCGTCCT GCCTGCCCAT					120
	TGCACCTCCT TCCCCAGGTG	TGCACGTCTC	CAGCCCCGAG	CGCGTGTCTT	CCTGCTCATC	180
	TGGGTTTCCT GGGCAAATAG					237
30	SEQ ID NO:3230					
	SEQUENCE LENGTH: 515					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
35	CLONE: HUMGS03801					
	SEQUENCE DESCRIPTION:					
	GATCGCCAGA GCCCAGGAGT	TTGAGGCTGC	AGTGAGCTAT	GAGGGTGCCT	CTTTGCTCCA	60
	TCCTAGGCAA CAGAGTGAGA	CGCTGTTTAA	AAAGGAAAAA	ATCCTTCCNT	AGAGCTAGTA	120
	TCCTAAAGCT GCAGAGCTAG	CCCATGACCT	CATTGGTTTC	NTTGTCCTTG	GGGTGCTTTT	180
40	CCTGAATCTT TGGGGGTGAA	GGGAGTNTTG	CTCCCAGTCC	AGAGGCCTGA	TTCTTTTCGG	240
	ACTGGGTTCT CAAGACACGA	CCAGGTTCTC	AAGACACGAG	TCCCCTTNTT	CCTNCCCATT	300
	AAAGGGGGTT TNTNAGAAGC	AAGANCAGCC	CCTTTCCCCA	AGTCACAGCC	TGAAGGGAGG	360
	CCCCNGAGAN GCTTCCCTCC					
45	NTTTTTTAG GAANCTGGNA			GGGGATTGGG	GGGGAAGGGA	480
	AGNCTTNGGG GGACAAAAA	NNTTTTTNTT	NCAAN			515
	SEQ ID NO:3231					
	SEQUENCE LENGTH: 227					
50	SEQUENCE TYPE:nucleic	acid				

	TOPOLOGY:linear CLONE:HUMGS03802					
	SEQUENCE DESCRIPTION	ON:				
5	GATCAGTGTA TGCGAAAA	GG TTTTTAGGAA	GTATGGCAAA	AATGTTGTAT	TGGCTATGAT	60
	GGTGACATGA TATAGTCA	GC TGCCTTTTAA	GAGGTCTTAT	CTGTTCAGTG	TTAAGTGATT	120
	TAAAAAAATA ATAACCTO	TT TTCTGACTAG	TTTAAAGATG	GATTTGAAAA	TGGTTTTGAA	180
	TGCAATTAGG TTATGCTA	TT TGGACAATAA	ACTCACCTTG	ACCTAAA		227
10	SEQ ID NO:3232					
	SEQUENCE LENGTH: 224					
	SEQUENCE TYPE: nucle	ic acid				
	TOPOLOGY: linear					
15	CLONE: HUMGS03803					
	SEQUENCE DESCRIPTION					
	GATCACTAGC TAATNCTC					
	AAAACAGCAA ATATTTTT					
20	AAAAAAAATA AAGACACT				CTAATGGCAT	
	ATATTTGTNA CAATNAAA	AA TTAANTTTAC	TACTTAATCC	TAAA		224
	SEQ ID NO:3233					
	SEQUENCE LENGTH: 310 SEQUENCE TYPE: pucle					
25	TOPOLOGY: linear	ic acid				
	CLONE: HUMGS03804					
	SEQUENCE DESCRIPTIO	N -				
	GATCGGTGCT TTGTGTAA	• • •	CATTTGGGTG	GAGAGGGGCC	TTAAGAAGGA	. 60
30	CAGTTCATTG TAGGAAAG					
	TGCAGATTCT ATTTTTGT					
	AAATAAAATG CAGCTTCC					
	ATTTTNCCTN TCTCTTNT					
35	GTGNATTAAA					310
	SEQ ID NO:3234					
	SEQUENCE LENGTH: 220					
	SEQUENCE TYPE:nucle	ic acid				
40 .	TOPOLOGY: linear					
	CLONE: HUMGS03805					
	SEQUENCE DESCRIPTION	N:				
	GATCAAATTT TTNAGACA	AT CCTTGGTCTG	GATTGGTTAA	TGAAAATNTN	TTGTTTAAGA	60
45	GGTTCTATTA AAAAATAT					
	AACCACACCA TTAAGGGA	AT AAAATGTAAT	TTGAAAGAGG	TGATTATAAG	ATTTGTTTCA	180
	GGCCCCAAAA TATAAATA	AA AATTGGTGTG	GAATCTCAAA			220
	SEQ ID NO:3235					
50	SEQUENCE LENGTH: 219					

	SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS03806 SEQUENCE DESCRIPTION:	
5	GATCGATACA GAGCATCTGC ACTGGGATTG TCCGCCCCGC CTGTCAGGGA GGCCTC GCTAATNGAG CTGAGGGTAT AGTCGGCCTT GGACCCTCGC TTTTTTCCTT TCCTGT	
	TNAAGATAAC TGCCTTATCT CCCCCTCAGG ACTGTTTTGG GGATTAAATA GGACGT	
	ATNACCAACG CTCTTTGAAA TAAACATTTC AAAATTAAA	219
10		
	SEQ ID NO: 3236	
	SEQUENCE LENGTH:219 SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
15	CLONE: HUMGS03807	
	SEQUENCE DESCRIPTION:	
	GATCAAAAAA ACTTTTCTTC TTTTGCAAAG AAAGCTTTTT GTTTTTAACN GCAACG	TACT 60
1.	TTTCCCCTAC CTTGAAGAGA CATGGTGGTC GCAGCTTCTN ATCTATATGA AAAAGT	TTTC 120
20	GATGTATTGG AATNATTTGG GAATGCTTTT AAAACAATTT GTAATTATTT CTTTAC	
	CAAAACAGAA CAGAAAGGTG TGGTGCTGGA ACATCGAAA	219
	SEQ ID NO:3237	
25	SEQUENCE LENGTH: 265	
25	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS03808	
20	SEQUENCE DESCRIPTION:	
30	GATCTGCATT TTCAGAAGAG GACAATCAAT TGAAACTAAG TAGGGGTTTC TTCTTT	
	AAGACTTGTA CTCTCCACC TGGCCTGTTT CATTTATTTG TATTATCTGC CTGGTCC	
	AGGCGTCTGG GTCTCCCCT TCCCTTGCAG GTTTGGGTTT GAAGCTGAGG AACTAC. TTGATGATTT CTTTTTTATC TTTATGCCTG CAATTTTACC TAGCTACCAC TAGGTG	
oc.	GTAAATTTAT ACTTATGTTT CCAAA	265
35		
	SEQ ID NO:3238	
	SEQUENCE LENGTH: 217	
40	SEQUENCE TYPE:nucleic acid	
40	TOPOLOGY: linear	
	CLONE:HUMGS03809 SEQUENCE DESCRIPTION:	
	GATCTACTAT AAGGTATTCT ATATTTATAT NACTTCAGAG ACGCGTATGT AATAAA	GNAC 60
45	GCCCTCCCTC CAGTGTCCAC ATCCAGTTCA CCCCAGAGGG TCGGGCAGGT TGACAT.	
45	ATTITTGTCT ATTCTGTAGG CTTCCATGTC CAGAATCCTG CTTAAGGTTT TAGGGT.	
	TCAGTACTTT TTGCAATAAA AGTATTTCCT ATCCAAA	217
	000 ID No 0000	
50	SEQ ID NO: 3239	
00	SEQUENCE LENGTH: 217	

	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03810					
5	SEQUENCE DESCRIPTION:					
	GATCGGTGCT ACCAAGGAAG	AGAGCACACA	GATAAGACAG	AGGGGAGGAG	GTGGGCATTT	60
	CCTACATTCC TCCTTGTTTN	CCGCTGCTGA	NATTGCAGTA	TTTATTGCAA	TNTAAATNTA	120
	TCCTGAAGGT GGGGAGGAAT	GTTTAANCTA	CCATNTCCGT	GTGTCATCTT	GGTNTGTTTT	180
10	TNTCCCTGTT TGTAGCAAGA	CTCTNATGAT	AATNCTN			217
	SEQ ID NO: 3240					
	SEQUENCE LENGTH: 217					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS03811					
	SEQUENCE DESCRIPTION:					
	GATCTATATG AAGTGGGAAT	ACAGCATATA	TCTGGATATT	CTTATAGTTA	TCTTTTTAAC	60
20	ATCTTATTTT TTTCATTAAT	TACATATCAA	CATTAATNTT	GTATCTNGAA	GCAAATNGAT	120
	TTTGTATAAT TAAATGTGTC	AAGCATCTGT	ATTAATTGAT	TNGATGGCAT	AAGGTATGAA	180
	ANTANTGTAC TGCCCCATGT	ATNACTGTTC	CAACCAN			217
25	SEQ ID NO:3241					
23	SEQUENCE LENGTH: 214					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03812					
30	SEQUENCE DESCRIPTION:					
	GATCATAAGA CCAGGAGTTC	AAGACCGGTC	TGGCCAACAT	GGTGAAGCCT	CATTTNTACT	60
	AAAAATACAA AATNAGCCAG	GTGTGGCGTC	ACATGCCTGT	AATCCCAGCT	ACTCAGGAAG	120
	CTGAGGCAGG AGAATTGTTT	GAACCTGGAA	GGTGGAGGTT	GCAGTGAGCC	GAGATTGTGC	180
35	CACTGCACTT GACAGAGCGA	GACTCTGTCT	CAAA			214
	•					
	SEQ ID NO:3242					
	SEQUENCE LENGTH: 214					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS03813					
	SEQUENCE DESCRIPTION:					
	GATCATCGAG GACGAGAAGA	TGGTGGTGGT	GGCGNTGCAG	CCGACTGCAG	AGCTNGAGGT	60
45	GGGCTCGGCG GAGGTCATTG	TGGAGTCCCT	GGCCCAGGGN	GGCCTGGCCT	CCCAGCTCCC	120
	CGGCCAGAGA CTGTGTGCAG	AGNAGAGCTT	CACCGGCCAG	GTGTCCTGGA	GCCCTCCCTC	180
	ATNATNACAG CTGCTGTCCC	CGAGGACTGT	GATN			214
				•		
50	SEQ ID NO:3243					
50	SEQUENCE LENGTH: 212					
	SEQUENCE TYPE:nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGS03814 SEQUENCE DESCRIPTION: GATCTGGGGA GCTNTGACTG AAGGGGCTTG GTCTTCCACT CAGCATCAGC NTGGCAGTCA 60 CCACCCCAGT NAGGACCTCG ATGTCCAGCT GCTGTCAGGT CTGATAGTCC TCTGCTAAAA 120 CAACACGATT TACATAAAAA ATCTTACACA TCTGCCACCG GAAATACCAT GCACAGAGTC 180 CTTAAAAAAAT AGAGTGCAGT ATTTAAACCA AA 212
10	
15	SEQ ID NO: 3244 SEQUENCE LENGTH: 211 SEQUENCE TYPE: nucleic acid TOPOLOGY: linear CLONE: HUMGS03815
	SEQUENCE DESCRIPTION:
	GATCTCTGTA GACTAGAGTC TTGCAGCAAC ACAGAATGTA ATATAAGGCA AATGCATCTG 60
20	GGACTTGACC AAAGTTGTTC TGTTTTGTTT TTTTAACTGA AAGTAACAGA AGGACCTTTC 120 TTAAATGTGA CAGATGGTCC TGCAGTGTGA ACCTGAAGGA CAGTGTTAAA GCTGGGCTCT 180
20	AGTATATTGA TGATTTCTGC ATAAGTGTGG N 211
25	SEQ ID NO:3245 SEQUENCE LENGTH:210 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3816 SEQUENCE DESCRIPTION: GATCTATTTT TGCACTGGAA TATCTGAGAA TTGCAAAACT AGACAAAAGT TTCACAACAG 60
	ATTTCTAAGT TAAATCATTT TCATTAAAAG GAAAAAAGAA AAAAAATTTT GTATGTCAAT 120
	AACTITATAT GANGTATTAA NNTGCATATT TCTATGTNGT AATATANTGN GTCACAAANT 180
	AANGCTGTGA CAGTNCTGTT GGTCTACAAA 210
35	
33	SEQ ID NO:3246 SEQUENCE LENGTH:210 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
40	CLONE: HUMGS03817 SEQUENCE DESCRIPTION:
	GATCTTTTAC CACTAAAAGA GCATTATTCT CATGTCATAA TGAGAATAAT AATTTACATA 60
	CTTGGCATAA TAAATGCCTA AAAGACATTT TATTNTCTGA ATCTATTTT TTCTTGCTAT 120
45	AATGGGGATA TTGTAAATAA TGCATTTGTA TTAATGGTAT TTCTTAAAGC AATCTATGTA 180 ACTGTAAATT AAACCAATCT ACAAACTAAA 210
	ACTGTAAATT AAACCAATCT ACAAACTAAA 210
50	SEQ ID NO:3247 SEQUENCE LENGTH:210 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear

	CLONE:HUMGS03818 SEQUENCE DESCRIPTION:					
	GATCAGAAGT GGCTAATTTA	TTTNATTTCT	NATTATTTTA	TCCAGAGGGT	ACTTTTTTAA	80
5	TGGATATTTG TAAATCTNCC					
	CCATCCATAC CTCTGCCTCC					
	CTAGTTGAAT GTGAATAAAT				OOTONIUINU	210
	•					210
10	SEQ ID NO:3248					
70	SEQUENCE LENGTH: 206					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03819					
15	SEQUENCE DESCRIPTION:					
	GATCTCCATT CTTTGCCATG	AGGGCCAACA	CATGAGACCC	CACCTCCCTC	CCTGCCTGCC	60
	AGCCCTAGAC TTGTTGGAGC					
	GCTTTGGCAC TGCCCCGCAG					
20	AACAACTATA CTTTGCACAC					206
	SEQ ID NO:3249					
	SEQUENCE LENGTH: 209					
	SEQUENCE TYPE: nucleic	acid				
25	TOPOLOGY:linear					
	CLONE: HUMGS03820					
	SEQUENCE DESCRIPTION:	•		•		
	GATCCCCAGA GTTGGTCCAA	GGAGGGAGAG	TGGGTTCTCA	ATACGGTACC	AAAGATATAA	60
30	TCACCTAGGN TTACAAATAT	TTTNAGGACT	CACGTTAACT	CACATTTATA	CAGCAGAAAT	120
	GCTATTTTGT ATGCTGTTAA		CTGTGTACTT	TTTTTTAAGG	${\tt GAAAGATTTT}$	180
	AATATTAANC CTGGTGCTTC	TCACTCAAA				209
	CEO ID NO. 2000					
35	SEQ ID NO: 3250					
	SEQUENCE LENGTH: 335 SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	acid				
	CLONE: HUMGS03821					
40	SEQUENCE DESCRIPTION:		•			
40	GATCTGTGTG GTCCCCGACG	********	CCACACCCTC	COCTOTOCTO	TT100T010T	۰.۰
	CCTGGGGATG AACAGGTCAA					
	TCTGGAGACA CTGAGAACGC					
	ATCAGCTCCA CCTCTGAGCC					
45	TGGGGGAAC CCACCCTGCC					
	GNAANTNTNA TNTATGATGN			INCACIANAC	AACTITITU	335
	mulantan minimum	omonunu i U	Jum			555
	SEQ ID NO:3251					
50	SEQUENCE LENGTH: 207					
	SEQUENCE TYPE: nucleic	acid				

	TOPOLOGY:linear CLONE:HUMGS03822 SEQUENCE DESCRIPTION:					
5	GATCTAATTC TNCACTCCTG	CTCCAAGGGC	TGGGCTGTGG	GTGGGATACT	GGGATTTTGG	60
	GCCACTGGAT TTTCCCTAAA					
	GACTCCCTCA GACCTGTAAC					
	GCATTATAAC TTTGAAAGCA					207
10						
	SEQ ID NO:3252					
	SEQUENCE LENGTH: 201					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUNGS 03823					
	SEQUENCE DESCRIPTION:					
	GATCTCATTT NAATGATTTA					
	AAAAAGGTAA ACTTCTTAAA					
20	AACACATGGA CTTACTATAA		GTACTAGTGA	AAAGAATUTT	CAGCTATATA	
	GAAATAAAGT TATACTTTAA	A				201
	SEQ ID NO:3253					
25	SEQUENCE LENGTH: 201					
25	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03824					
	SEQUENCE DESCRIPTION:					
30	GATCCCTAAA AGACAAAAGA	GTCTTGGAAA	GGACTGCTGG	CTTCGTCTTG	AACGTTCGCC	60
	CCATCACCAG TGTGAGTCCG	TGGGGAAGTC	TTCCTCAAGT	GGGGTTCAGT	CTGTAATTTT	120
	CCTGTCTGTT CTTAGCNNNG		TTTTGGATTT	TNTTCTTTAG	CCAAATAAAG	180
	GCAGTGTGGT TTTACCTGAA	A				201
35	SEQ ID NO:3254					
	SEQUENCE LENGTH: 200					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
40	CLONE: HUMGS03825			•		
	SEQUENCE DESCRIPTION:					
	GATCCTAATG GTGCTGCCCT	ATTTATACCT	GGGTCTGCAT	TAAAAGGGAA	AGCCCCCCCT	60
	GTTGTAGATT TCATCTGCTT	CCTCCTTAGG	GNAGGCTGGG	ATATGATGAG	AGATTCCAGC	120
45	CCAAGCCCGG CCCCCCACCG					
45	TAAACTGATG ACCTGTGAAA					200
	SEQ ID NO:3255					
	SEQUENCE LENGTH: 391					
50	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					

	CLONE: HUNGS03826
	SEQUENCE DESCRIPTION:
5	GATCAAGCAT TTGCGTTTGG ATGGCAATCG CATCTCAGAA ACCAGTCTTC CACCGGATAT 60
	GTATGAATGT CTACGTGTTG CTAACGAAGT CACTCTTAAT TAATATCTGT ATCCTGGAAC 120
	AATATTTAT GGTTATGTTT TTCTGTGTGT CAGTTTTCAT AGTATCCATA TTTTATTACT 180
	GTTTATTACT TCCATGAATT TTAAAATCTG AGGGAAATGT TTTGTAAACA TTTATTTTTT 240
••	TTAAAGAAAA GATGAAAGGC AGGCCTATTT CATCACAAGA NCACACACAT ATACACGGTT 300
10	AGACATCAAA CTCAATGCTT TATTTGTNAA TTTAGTGGTT TTNTATTTCT ACTGTCAAAT 360
	GATGTGCAAA ACCTTTTTNC CGGGTTGCAT N 391
	SEQ ID NO: 3256
15	SEQUENCE LENGTH: 194
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUNGS03827
00	SEQUENCE DESCRIPTION:
20	GATCTTTAAT TTGNATGGTG ATGAATGTCT TAGTCATGAA GAGTTTCTAT GGGGTGTNAA 60
	AAAACAGAAT GCATCGAGGT TNATGGGTAC CACAACATCA GAGTATACAA GAATACTGGA 120
	AGTGTGTGAA GAAAGAAAGC ATTAAAGGAG TAAANGANGT CTGGAAACAN GCTGGAAANG 180
	GTCTTTTTNA ATNN 194
25	070 70 110 0000
	SEQ ID NO: 3257
	SEQUENCE LENGTH: 190
	SEQUENCE TYPE:nucleic acid
30	TOPOLOGY: linear
	CLONE: HUMGS03828
	SEQUENCE DESCRIPTION:
	GATCTAGTAG GTTTCTATTT TTCCTTTCTC TTTACAATGC ACATAATACT TTCCTGTATT 60
	TATATCATAA CGTGTATAGT GTAAAATNTG AATNACTTTT TTTGTGAATG AAAATCTAAA 120
35	ATCTITGTAA CTTTTTATAT CTGCTTTTGT TTCACCAAAG AAACCTAAAA TCCTTCTTTT 180
	ACTACACAAA 190
	SEQ ID NO:3258
40	SEQUENCE LENGTH: 190
70	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUNGS03829
	SEQUENCE DESCRIPTION:
45	GATCCCCTTT TNTNCTGGAG CTTCCGTGCC TCCCCTGCCT CTTCCCAGCC CTTGTAATCC 60
	TCCTTCACAG GCCAGCCAGA TACCTGTNTG GCCTNTGGGC CCATTTTNTT CCCTGTCTGT 120
	CCCCACCCA CAAGAACCAG GTTTCTNTAA TAAATTCTCT CCCTTCTTTA GCCAGGACTT 180
	AGCCCGCAAA 190
50	SEO ID NO.2250
	SEQ ID NO: 3259
	SEQUENCE LENGTH: 189

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03830 SEQUENCE DESCRIPTION: GATCTNAGAG CCTGCCCAAC CTAACTGCGT ANTGANAAGG GCATGGGCAT AGGGACCCAT GGAGGGAAA	AGCAGGGAAG GGAACAGTGC	CATGTACCAC	ACAGATGTTC	CTGTCTCCTC	120
	070 ID No 0000		•			
15	SEQ ID NO:3260 SEQUENCE LENGTH:188 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03831 SEQUENCE DESCRIPTION:	acid				
	GATCCCCTTC CTATCAATCA	CCTGATAGCA	ACAGGGACAG	CTGCCAATAC	CCTGCTCTTT	60
20	ACTCAATGGT ACCCAGGGAG					
	AACAGCCACT GGGTGAGCTG AACCCAAA	TTCACGGTCT	TATACTATTG	TTTGTNATTA	AAAGTGCTTC	180 188
	MOOOMM					100
25	SEQ ID NO:3261 SEQUENCE LENGTH:184 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUMGS03832					
35	SEQUENCE DESCRIPTION: GATCAACAAG GCCACGCCCT CGACGTGCCC AGCCACCCCC GTGAGCACCT CCACTGACAG CAAA	AGGACCCTCA	GGGCCCCAGC	CTGGAGTGGC	TGAAGAAACT	
	SEQ ID NO:3262					
40	SEQUENCE LENGTH:184 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3833 SEQUENCE DESCRIPTION:	acid				
	GATCCACCAA TGTTTCAAAT	AGGACTATAA	CTTATTCAAA	GGCCAATNAT	ACTTCGCATA	60
45	ATTCAATTTT AATATTATTC					-
	TGATGTTTTG TTTTGATAGA CAAA	TTATATCTTA	CTCCTAAATA	AAANGTCAAG	ATTTTTGTAG	180 184
50	SEQ ID NO:3263 SEQUENCE LENGTH:181 SEQUENCE TYPE:nucleic	acid				

5	TOPOLOGY:linear CLONE:HUNGSO3835 SEQUENCE DESCRIPTION:					
	GATCTCTCTG TGTGGAATGC					
	AACCAAGCTT CTATNAATNT				•	
	AATTTTNCTG TCAGTGAAAA	TAAAAGAAAA	ATTAAAGTAA	AGCTAAGGAA	CTGTCTATAA	
	A					181
10	470 th wa soot					
	SEQ ID NO:3264					
	SEQUENCE LENGTH: 180					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUNGS 03836					
	SEQUENCE DESCRIPTION:					
	GATCCCTGGA CCATCTGCAT	CCAGAGGACC	GTCCGTAACG	CCCCCCCCCCC	CARRORGACE	60
	TTGTGGTGAC CCGGCTCGGG					
20	AACCTGGACA AGCAGCGGCT					
		d d iii d ii d ii d ii	44100/11/121	1040001010	Cacconanta	100
	SEQ ID NO:3265					
	SEQUENCE LENGTH: 227					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear					
	CLONE: HUMGS03837					
	SEQUENCE DESCRIPTION:					
	GATCTAGTTC AGAAGGAAGC	AAAATCCCTT	AATCTATGTG	CACCGTTGGG	ACCAATGCCT	60
30	TAATTAAAGA ATTTAAAAAA	GTTGTAATAG	AGAATATTTT	TGGCATTCCT	CTAATGTTGT	120
	GTGTTTNTTT TTNGTGTGTN	CTGGAGGGAG	GGGATTTAAT	TTNAATTTNA	AAATGTTTAG	180
	GAAATTINTN CAAGGAANCT	TTTTAATAAN	GTATATNGAA	AGNTAAA		227
		•				
35	SEQ ID NO:3266					
	SEQUENCE LENGTH: 171					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
40	CLONE: HUMGS03838					
40	SEQUENCE DESCRIPTION:		0800880018	0.00000000	M000101100	-
	GATCACTTCT CCTTGGCTTC	-			•	
	TGCGACCTGC CTCAAGAAAA					
	AATAAGACAT CTTCCAAGCA	IAIAAACAAI	1601116611	ICCITITOAA	A	171
45	SEQ ID NO:3267					
•	SEQUENCE LENGTH: 338					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	aciu				
50	CLONE: HUMGS03839					
	SEQUENCE DESCRIPTION:					

	GATCACTTTA TTTGCTAGG					60
	CTAAATTTTA ACATCAATC					
5	GTAAATCTCG CAGGGGAAT					
5	GGCAGCTTTT AATAGGAAA					
	ACTITIACCT AGCACTTAA			GACAANCTAG	TAAGCNTGGC	
	CTGGGGANAT GGTCAGNCC	r tgtnttgtgt	TTTTGGCN			338
10	SEQ ID NO:3268					
	SEQUENCE LENGTH: 170					
•	SEQUENCE TYPE:nuclei	c acid				
	TOPOLOGY: linear					
15	CLONE: HUMGS03840					
15	SEQUENCE DESCRIPTION					
	GATCATAGGA GAAAACCAT					
	GCAGCCATGG CCCCAGACT				AGGCTGAGGT	120
	CAGAATGGGA AGAGTTTTT.	A AAAATAAAA	AGGGGAGCTA	ATATGTGAAA		170
20						
	SEQ ID NO: 3269					
	SEQUENCE LENGTH: 168					
	SEQUENCE TYPE:nucleio	e acid				
25	TOPOLOGY:linear					
	CLONE: HUMGS03841					
	SEQUENCE DESCRIPTION		****		00.00.00.	
	GATCAAGGGC AAAAACTGGAATTINTTTAC TCTNACTTTA					
30	TGTACAATTT AACATTTTA				IIAIUAAAAA	168
30	TUTHORATTI ANOATTIA	. AIAMINUIU	ACAGARGIIG	IIINIAAA		100
	SEQ ID NO:3270					
	SEQUENCE LENGTH: 167					
35	SEQUENCE TYPE:nucleio	acid a				
	TOPOLOGY: linear					
	CLONE: HUMGS03842					
	SEQUENCE DESCRIPTION					
	GATCCTCCTG CCCCAGCAT					
40	TGGCCGTAGG TTTGTAACT				GAATNAGCCT	
	ATCTAGTTTA AAAAATAAA	AAGCACGTTG	ATTTCACCAC	CGCCAAA		167
	SEQ ID NO:3271					
45	SEQUENCE LENGTH: 167	•				
-	SEQUENCE TYPE:nucleio	acid:				
	TOPOLOGY: linear					
	CLONE: HUMGS03843					
	SEQUENCE DESCRIPTION	,				
50	GATCAGCTTT GTTTTTCCC					60
	CATGGACTTG GTTNAAATTG	CCCCGTNTTG	CTGAGTGTAT	CTTTAGCTTG	TCCCTTTTAA	120

	CTGACGAGTA GTATTCCACA	GTNTGGATGC	ACTGTATTNN	NTTTATN		167
5	SEQ ID NO:3272 SEQUENCE LENGTH:166 SEQUENCE TYPE:pucleic	anid				
	TOPOLOGY:linear CLONE:HUMGS03844					
10	SEQUENCE DESCRIPTION: GATCAGAGCA TTGTGCAATA AATTTTTTT TCAACACTCT	CAGTTTCATT TACACCTGTT	ATGGAAAATG	TCAACCTTTG		
	ANANTAAAAN TTGAAAANTA	AAAACCNTAA	ACATTTGCAC	CAGAAA		166
15	SEQ ID NO:3273 SEQUENCE LENGTH:165					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGS03845 SEQUENCE DESCRIPTION:					
	GATCINTITT TITCCCTTCT					60
	AATTTTNCTT TGTTTTTNCT				ATNCATTTTN	
25	TTCAACTGTN CTAGTTAATA	ATGAGAACTC	AATTNCTGGA	AATNN		165
	SEQ ID NO:3274					
	SEQUENCE LENGTH: 163					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUMGS03846 SEQUENCE DESCRIPTION:					
	GATCTCAGGA ATNACATTTT	CCAACAGACC	AAAAATGTT	TTCATGTAGC	AGCAATGCAG	60
35	ATTTGGTGAA TATTTAATAT					
33	AAATATTGTT TGGCCAAATA	GTAAACACCC	TTTTGAAACC	AAA		163
	CEO ID NO. 2007					
	SEQ ID NO:3275 SEQUENCE LENGTH:163					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS03847					
	SEQUENCE DESCRIPTION:	V				
45	GATCCCTTNG TTTGCTTAAT CCATGGTGCT ATNATNAGGC					
	AAAGCAAATA CTTACTGTTT				GIAIGICAAI	163
	ara to vo com					
50	SEQ ID NO: 3276 SEQUENCE LENGTH: 164					
	SEQUENCE TYPE:nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGS03848 SEQUENCE DESCRIPTION: GATCTGTTCT TGGTATTTNN TCAGGCCCAG GACTGGTCAC TCTCATGGAT TCCACAGCAA	CATGAGCTCT	GCTAGCCACG	GCCCCAACGA		
10	SEQ ID NO:3277 SEQUENCE LENGTH:162 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUNGS03849 SEQUENCE DESCRIPTION: GATCTGGGGT CCCTAAGTCC AGTTGCTGTG GGCGTGCCCG CTTTCCAGAA AACATTAAAC	GAAGCAGAGC	GCCACACTCG	CTGCTTAAGC		60 120 162
20	474 TR NO 6577					
25	SEQ ID NO:3278 SEQUENCE LENGTH:162 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGS03850 SEQUENCE DESCRIPTION:	acid			·	
30	GATCCTAGGA ACTCCTATNT TAGCTGTCAA TTTTAAGATG CACACAAAGC TTGGAAAAAG	AATTTGGTAG	AGCCTTATAG	TAAAGNATGT		60 120 162
35	SEQ ID NO:3279 SEQUENCE LENGTH:160 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3851	acid				
40	SEQUENCE DESCRIPTION: GATCAAGAAG TAGCCGAGGT CTCAGTTCTG CTCTGGAAAA ATCATTCCCA CAGCTGCTCA	AATGGAAAAT	CAGTCTGAAA			
45 .	SEQ ID NO:3280 SEQUENCE LENGTH:177 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03852	acid				
50	SEQUENCE DESCRIPTION: GATCGTGGGT CAGGGACACC GGGTGGGATG GAGAGAATGC					

	ATTATNNCTT TAGTTTAATT	AACCTTTTGG	TIGTTTGTNC	AATATTATAT	ATNNNAN	177
5	SEQ ID NO:3281 SEQUENCE LENGTH:232 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear CLONE: HUMGS03853 SEQUENCE DESCRIPTION:					
10	GATCAGGACT ATAATATTGT GAAGATGCTC TGGGGGTTTT	ACAGTTATTA				
	GTTTTCTNGT NGGCCATTTC	TGTATTGCTG	GCATCTGTGC	TAAGCTTTAC	AGTGGCAAAA	
15					•	
	SEQ ID NO:3282 SEQUENCE LENGTH:158					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear					
20	CLONE: HUNGS03854					
	SEQUENCE DESCRIPTION:					
	GATCGATGGT GGCGCTTTCT	CCTGTGCCCA	CCCGTCTTCA	ATCTCTGTTC	TGCTCCCAGA	60
	TGCCTTCTAG ATTCACTGTC	TTTTGATTCT	TGATTTTCAA	GCTTTCAAAT	CCTCCCTACT	120
25	TCCAAGAAAA ATAATTAAAA	AAAAAACTTC	ATTCTAAA			158
	a.a.A.a					
	SEQ ID NO:3283					
	SEQUENCE LENGTH: 158					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03855					
	SEQUENCE DESCRIPTION:					
35	GATCTCATCA CAAGATGACC					60
	TTTNATGTAT CTATAGATAC			AATTTACCTA	CCTTTNAACT	
	GAAAGTTTAA TAAAGCCAAA	TCAATTTGAA	ATACCAAA			158
	SEQ ID NO:3284					
40	SEQUENCE LENGTH: 390		•			
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS03856					
45	SEQUENCE DESCRIPTION:					
	GATCTGCCTC ACGTGCACTG					
	CCGAACCTTC CACATCGAGG					
	TATCCGGCGC GCCCGAGGTG					
50	TGCCGTTTCT NTCTGGGGAG					
50	GTTGGCTTTT GAACCAAAGT					
	ACAGGAGCCA CGAGCCAAAT	GTGGCATTTG	AATTTGAATT	AACTTTAGAA	ATTCATTTGC	360

	TCAACTTGTT AGTGGCCACC	TCTTATATTN				390
5	SEQ ID NO:3285 SEQUENCE LENGTH:156 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS03857					
10	SEQUENCE DESCRIPTION: GATCTCAACA CCTATGCCTC	CACGTAAATT	ATTTTTTCA	GCCTTATTTC	CCTCAAAATT	60
	GTAGAGTCCT AATCTTCTTC					120
	CTTTTCCTAT TACTTAAAAT	GGTGAATTTG	CATAAA			156
15	SEQ ID NO:3286					
	SEQUENCE LENGTH: 155					
	SEQUENCE TYPE:nucleic	acid				
•	TOPOLOGY: linear					
20	CLONE: HUNGS03859 SEQUENCE DESCRIPTION:					
	GATCAGGTGA TTTGTAAAAT	TGTATTTATC	TGTACATGTA	TGGGCTTTTA	ATTCCCACCA	60
	AGAAAGAGAG AAATNATCTT					
25	ACTTATTTAT TGGGTTGTCA	CTCAATTGCC	CTGTN			155
	CEO ID NO. 2007					
	SEQ ID NO:3287 SEQUENCE LENGTH:137					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear	dord				
	CLONE: HUMGS03860					
	SEQUENCE DESCRIPTION:					
	GATCTTGCAA CTCCATTTCG					60
35	ACAGCTTTCC TATATCTCCT	ATTCTAGAGT	GGTAAACTCT	CTNTAAGTNT	TCAGTGTTGA	
	CATAGCCTTT GTGCAAA		•			137
	SEQ ID NO:3288					
	SEQUENCE LENGTH: 152					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS03861					
	SEQUENCE DESCRIPTION:					
	GATCAGTGGG CACAGTTCTT	CAGCTACATT	GAGACCCTGA	AATAAACAAT	NATATTCTNA	60
45	CTCGACATCT TGTCCCCAAT					
	TCGTTTATTT AATAAAGACA					152
	SEQ ID NO:3289					
50	SEQUENCE LENGTH: 152					
	SEQUENCE TYPE:nucleic	acid				

5	TOPOLOGY:linear CLONE:HUMGS03862 SEQUENCE DESCRIPTION: GATCAGNATT GTACGTATTC AAGGTGTAAA ATNTGATAAT TTGTCGTACA CGTACATTGT 60 GCAATAACAG TCACAATNAA TTCCTCAGCG CACCCATCAC CACGAATACG ATACATTAGA 120 TATTCTGAAC TTGCTCATCT TAGGACTTCA AA 152	0
10	SEQ ID NO:3290 SEQUENCE LENGTH:153 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE:HUNGS03863 SEQUENCE DESCRIPTION: GATCATAATA GTGACCAAAA TATACATGCA GACTTGTTTT TTATTATTGT TGTTTAAGCA 60 TAATTTAAGA AAAAAAATTT TTACCTGGTG AACTTGCTAT CTGCTCTGTT TCTAGTTAAA 120 ANATAATANA TNTTATCTNC CCTGTGCTGT AAA)
20	100	•
25	SEQ ID NO:3291 SEQUENCE LENGTH:144 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03864 SEQUENCE DESCRIPTION: GATCTTCTTT CTTTTTACAG GAACAATTGG CTTCTTTGCA TGCTTTTGGT TTGTNACCAA 60	}
	AATATACAGT GTGGTGAAGG TTGACTGAAG AAGTCCAGTG TGTCCAGTTA AAACAGAAAT 120	1
30	AAATTAAACT CTTCATCAAC AAAA 144	,
35	SEQ ID NO:3292 SEQUENCE LENGTH:163 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3865 SEQUENCE DESCRIPTION:	
40	GATCATGGTG AACTTACCAA AGCAAACAAT GCCTGTAAGA TGGTCCTGCA GCAGCCAACC 60 AGTGAACTCT TTTGGTGACA TCCTGTTCTT GTTGTATAAC TTTATATTCC TATAAATCCA 120 TTAAGGCCCC AATAAAGTTT GTCTCTAAGC GCTGTGTTAG AAA 163)
45	SEQ ID NO:3293 SEQUENCE LENGTH:149 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03866	
50	SEQUENCE DESCRIPTION: GATCCAAAAT TAGAGCTCAT CAGANTTGTC ATTGAAAGTG TTAACAAAAG TAATATCAAA 60 TGACATTTGA AAAATATCCT TGTAAAATGA CTATATTAAT AGGTATAAGG NTTTTCCTTA 120	

	TTAATCTAAT AAAATNCCTT	AATAGGAAA				149
5	SEQ ID NO:3294 SEQUENCE LENGTH:157 SEQUENCE TYPE:nucleic	acid				
. ·	TOPOLOGY:linear CLONE:HUMGS03867 SEQUENCE DESCRIPTION:					
10	GATCAGGACA CTTAGCAAAT	GTAAAAATAA	AATCTAACTC	TCATTTGACA	AGCAGAGAAA	60
	GAAAAGTTAA ATACCAGATA					
	ATAANTAAAG TTCTTTTTA				01140001011	157
15	SEQ ID NO:3295					
	SEQUENCE LENGTH: 148					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
20	CLONE: HUMGS03868					
	SEQUENCE DESCRIPTION:					
	GATCCGNTAG GAGTAGTAAA					60
	AGCTTCAGTA TTTAAACAAG		TGAAAATTAT	TTGTCATCAT	AAAAATGAAA	120
25	CAAANTAAAA TATTTATTGC	CAGGNAAA				148
	SEQ ID NO: 3296					
	SEQUENCE LENGTH: 332					
00	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear			•		
	CLONE: HUMGS03869		•			
	SEQUENCE DESCRIPTION:					
	GATCTCAGAG GCTCAGAGAC					
35	GAGCAGTTTC ATCTGGTTGT					
	CTTGGTGCCA CCAAAAGTGC					
	TGCACATCTG GAATTAAGGT					
	TTAGGAGCAG CAGTGTTCTC			CTNCTTNATN	NNNGGCCAAT	
40	GGNTATTGAC ACGTGTNCNN	NGTTTGGGCA	GN			332
	SEQ ID NO:3297					
	SEQUENCE LENGTH: 147					
	SEQUENCE TYPE: nucleic	acid				
45	TOPOLOGY: linear					
	CLONE: HUMGS03870					
	SEQUENCE DESCRIPTION:					
	GATCTNCTGT CCTCCTTTCA					60
50	AGTGCTATNA ACTTTGTGTC		CAAGGGACCT	CAGTAATTNG	TTCTNTACAT	120
	AAGTATATAT ATGGGTATTA	NTNNGTN				147

5	SEQ ID NO:3298 SEQUENCE LENGTH:355 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
	CLONE: HUMGS03871 SEQUENCE DESCRIPTION:	
	GATCGCCCTC TACATGGCTT CGCAGCCCAA AAACAA	
10	TTTGTTTTTT GGCATAAACC CTTTGAAGTT CCTTTT	
	NTTNACTTGG ATGGCTTAAC ATTTTTNCAA GAAAAN	
	TGGTTTGTTT ATGAAANGCA TATGGCTTGN CAGAGC	
	TTAAAGAANC GGTGCTTTGC TCTGTGTTTG TNCTCC AGGGCTGANC ACAGGCTTNG TTANTGTNCA GTCTGT	
15	Adderdance Acadecring Transdinca diciti	GCTG GGGGNCCTCA GGGGN 355
	SEQ ID NO:3299	
	SEQUENCE LENGTH: 147	
	SEQUENCE TYPE: nucleic acid	
20	TOPOLOGY: linear	
20	CLONE: HUMGS03872	
	SEQUENCE DESCRIPTION:	
	GATCACCAGG GTCAGTTTNT TTAATAATGG TTTCCA	ACTG GCCTAATACA TTAAGTAAGA 60
	NTGGNTGATA ACATGACCAG ACAGACATAA AGACCC	TGTT GGGAATNACA TTGAACTCTC 120
25	AAAGTCAAGA TTTNTTACAC AANTNTN	147
	SEQ ID NO:3300	
	SEQUENCE LENGTH: 147	•
30	SEQUENCE TYPE: nucleic acid	
30	TOPOLOGY: linear	
	CLONE: HUMGS03873	
	SEQUENCE DESCRIPTION:	
	GATCCGCTAC TAAAAGTAAA AATAACCGGT TTGTAA	AACA TTAAGAGAAA AANTAGGATA 60
35	TTTAATACAT GTGGTGAGTG GAGANCAGGG TAACTT	
	TAAGCNCCAC AAGANATATC ANATTTN	147
	SEQ ID NO:3301	
40	SEQUENCE LENGTH: 147	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS03874	·
	SEQUENCE DESCRIPTION:	
45	GATCTAAAAA AATTAAAAAG AAATATGAAT GAAAGN	
	TTCCTGGAGG AGCAGTTCCA GCAGGGCAAG CTTNTT	
	CANTITGGCC GAGCAGATGG CTATNIN	147
50	SEQ ID NO:3302	
50	SEQUENCE LENGTH: 147	

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03875 SEQUENCE DESCRIPTION:					
	GATCATNTTA TTTTACAATC TACGGTGCTA ATNAGTAAAA AGAGTTTAAA AAATAAAATA	TATTGAAGGC				
10						
	SEQ ID NO:3303					
	SEQUENCE LENGTH: 147					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY:linear					
	CLONE: HUMGS03876					
	SEQUENCE DESCRIPTION: GATCTAGGGT CCTGGGTNTC	ጥተርር ነጥተተ ለተ	ATCTCACAAA	ACCCCCATA	ተርሮፕሮሮፕርልር	60
	GGGTGAGTGC ATATAANTNT					
20	GAAGAATAAA ANATTTCTTT		VCCVAAACIA	acivaví int ra	ICIACCIUCI	147
	UAAGAATAAA AMATTICTIT	Iddina				111
	SEQ ID NO:3304					
	SEQUENCE LENGTH: 150					
25	SEQUENCE TYPE:nucleic	acid				
23	TOPOLOGY: linear					
	CLONE: HUMGS03877					
	SEQUENCE DESCRIPTION:					•
	GATCTNACCC CCAGCATGAT					
30	CAGAAAATTC GACAGTCTGC		GGGTAAAAAT	CTGTATTTCA	CAGTTGTATA	
	GAATAAAGGC TTTAGTTAAA	ATATTTCAAA				150
	070 th No 0005					
	SEQ ID NO:3305 SEQUENCE LENGTH:146					
35	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS03878					
	SEQUENCE DESCRIPTION:					
40	GATCTAAAAA TAACTGTAAT	TATTTAAATG	ACTAANAGGA	AAGTACATTT	TTTAAAATNC	60
	TGAAAATTGC CTTNNTGTGT	-				120
	AAAANGTTAA CAGGCAAACA	TTTNCN				146
45	SEQ ID NO:3306		•			
	SEQUENCE LENGTH: 143					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
50	CLONE: HUNGS03879					
	SEQUENCE DESCRIPTION: GATCCTCACC AACCTAAGCA	ACACCAACTO	CCCCTCTCA	ССТСТССССС	NTCCTCCCTC	60
	UNICCICACC MACCIANGCA	AUAUUAAUIU	CCCCICICAA	CCIGIGCAGG	WIGCIGCOIC	60

	CCAGGACTGA GACGCAC		CCTAGCCCTC	AGGCCTTCTT	TNTTATCCAA	120 143
5	SEQ ID NO:3307 SEQUENCE LENGTH:14 SEQUENCE TYPE:nucl TOPOLOGY:linear CLONE:HUMGSO3880	-				
	SEQUENCE DESCRIPTI GATCAACAAG AGCACTG CTGTAGACAA CATTTAA ATAAAGATTT ATTTTCA	TAC TCCTGGCAA1				
15	SEQ ID NO:3308					
20	SEQUENCE LENGTH: 14 SEQUENCE TYPE: nucl TOPOLOGY: linear CLONE: HUMGS03881 SEQUENCE DESCRIPTI	eic acid			·	
25	GATCCCTTTA CTGGAGC GTGAATAGGT AGGGATT CTGGACCAGC TGTAAAA	TGC CTTGTTTTG1				60 120 142
30	SEQ ID NO:3309 SEQUENCE LENGTH:14 SEQUENCE TYPE:nucl TOPOLOGY:linear CLONE:HUMGS03882	eic acid				
35	SEQUENCE DESCRIPTI GATCTGCACA TTTAATC TGTTGCTTTG TAACTTT AAAAAAACAA TTCCACA	GTG GCTGTTTCTC				60 120 142
40	SEQ ID NO:3310 SEQUENCE LENGTH:14 SEQUENCE TYPE:nucl TOPOLOGY:linear	_				
45	CLONE: HUMGS03883 SEQUENCE DESCRIPTI GATCCCTAAG CCCCCCA AGGAGGAGCC CAGGCGT AAAAGGTGCT CAGCCTC	GCT GTAAATAGGO				
50	SEQ ID NO:3311	0				

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03884 SEQUENCE DESCRIPTION:	acid				
	GATCTTGGCC TTCGCAGTGC ACTTAAGTTT AGAAATNACA GGTTTCGTTG CATGGTAAA					
10						
	SEQ ID NO: 3312					
	SEQUENCE LENGTH: 138					
	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS03885				•	
	SEQUENCE DESCRIPTION:	ተ ለምም/ለማምምም	NTTCCTCCTC		CTCT CCTCC	co
	GATCTGGAAG ACAAGTAACA TTTTAGAGAT GCTGGTCTGT					
20	CATAACTCAA CCTGGAAA	GIUCIAGUA	AUCUATUAAC	CHINCIGIIN	GICIVIIVAN	138
20	CHIRACICAN COIGGAAA				•	130
	SEQ ID NO:3313					
	SEQUENCE LENGTH: 138					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear					
	CLONE: HUMGS03886					
	SEQUENCE DESCRIPTION:					
	GATCTATCTC TGTGTCCAAG	TCTCCTCTTT	TTATAAGGAA	ACCAGTCATA	ATGGACCCAC	60
30	CTGAATNACC TCATTTTAAC	TTGATTACCT	CTGTAAAAA	TGTATTTCCA	AATAAAGTGA	120
	CCTTATGAGG TATTGAAA					138
	000 to No 0014					
	SEQ ID NO:3314 SEQUENCE LENGTH:136					
35	SEQUENCE TYPE:nucleic	aaid		•		
	TOPOLOGY: linear	aciu				
	CLONE: HUMGS03887					
	SEQUENCE DESCRIPTION:					
40	GATCAACAAA TCTCCTAGGC	CTNTNACCAC	ATACATTTAC	ACCNACTACC	NCAACTATCC	60
	ATAAATCTAA GTATAGCCAT	TCCACTATNA	GCTGGAGCCG	TAATTACAGG	CTTCCGACAC	120
	AAACTAAAAA GCTAAA					136
	CEO ID NO. 2015					
45	SEQ ID NO:3315 SEQUENCE LENGTH:139					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	aciu				
	CLONE: HUNGS03888					
50	SEQUENCE DESCRIPTION:					
	GATCCCACCT TCAACACCTT	ACAAGTAAAG	CCAATGAAGN	ACAGTTGAAA	CATGCAAAAT	60

	ATGGNGCTTT TCATGTAATT AATTGTGTGN CTANACAAA	ACTCTTTTAC	TGTTTACCAT	TCACTATAAT	TCACAATTAA	120 139
5	SEQ ID NO:3316 SEQUENCE LENGTH:133					
10	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03889	acid				
	SEQUENCE DESCRIPTION: GATCTGTGTA GTTAATGTAT					
15	GCAGAGCCTC GTATGTTTGT AGTCCTCCTG AAA	CAGTTCATGC	CGAGATGAAA	TAAATCACGC	AGAAAGTGCC	120 133
	SEQ ID NO:3317 SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic	aaid				
20	TOPOLOGY:linear CLONE:HUMGS03890	aciu				
25	SEQUENCE DESCRIPTION: GATCTGTGGA GTGTGTTTT AATGTNATGT GCACATTTTC					
23	TTCAGATTCA AA SEQ ID NO:3318					132
30	SEQUENCE LENGTH:132 SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear CLONE: HUMGS03891 SEQUENCE DESCRIPTION:					
35	GATCAAATGT GGGCCCGTTT TAATTANTTG CCGTGCTTCC TCTTGGTTTA AA					
40	SEQ ID NO:3319 SEQUENCE LENGTH:132					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
45	CLONE:HUMGS03892 SEQUENCE DESCRIPTION: GATCATTATT ATTGTAATAG	TCTCATGTTT	AAATGGGATT	ATATAATGAN	AACAGTTTAA	60
	AGAAAATNAT AATCTTATAT TGANTGATTT AN					
50	SEQ ID NO:3320 SEQUENCE LENGTH:131					

5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03893	
	SEQUENCE DESCRIPTION: GATCATATTG CTGTAACTTC TTTTAAGTAG TTGATGTGGA AAACATTTTA AAGTGAATTT NTCAAAATNC TGGTTTTGTG TTTTATCCAA CTTTTGTGCA TATATATAAA GTATGTCATG 1 GCATGGTTAA A	
10	SEQ ID NO:3321 SEQUENCE LENGTH:131 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE: HUMGS03894 SEQUENCE DESCRIPTION:	60
. 20	TATACTAAAG AATCCAGAGT TGCTACAATA AAATAAGGGG AATAATAAAC TTGAGAGTGA 1	
25	SEQ ID NO:3322 SEQUENCE LENGTH:131 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03895 SEQUENCE DESCRIPTION:	
30	GATCTTAGAG TTTGCACAGC TTAAAAAAAT GGAAATATTG GAATCTGAAT CCAAAACAGC CTGACTCAAA ACAATGTNCT TNCCATTATG CAAGGGAAAA AAAAAANGGT TGGGTNTCAG 1	60 20 31
35	SEQ ID NO:3323 SEQUENCE LENGTH:433 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03896	
40	SEQUENCE DESCRIPTION: GATCATAGTC TTAGGAGTTC ATTTAAACCA TAGGAACTTT TCACTTATCT CATGTTAGCT GTACCAGTCA GTGATTAAGT AGAACTACAA GTTGTTATAGG CTTTATTGTT TATTGCTGGT 1 TTATGACCTT AATAAAGTGT AATTNTGTAT TACCAGCAGG GTGTTTTTAA CTGTGACTAT 1	120
45	TGTATAAAAC CAAATCTTGA TATCCAGAAG CACATGANGT TTGCAACTTT CCACCCTGCC 2 CATTTTTGTA AAACTGCAGT CATCTTGGAC CTTTTAAAAC ACAAATTTTA AACTCAACCA 3 AGCTGTGATA AGTGGAATGG TTACTGTTTA TACTGTGGGT ATGTTTTTGN NTTACAGCAG 3 GTTAATGCTT TCTTTTTCCA GGTCGNCCTT TGAGGATTNA GGGAAAATTA NATAACTCTT 4 TGTACAGTTC AAA	300 360
50	SEQ ID NO:3324 SEQUENCE LENGTH:129	

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3897 SEQUENCE DESCRIPTION: GATCCACCCA CCTCGGCCTC CCGGTTGCTG GCATCTTAAT TAATTGAAA	CCAAAGTGCT				60 120 129
10						
15	SEQ ID NO:3325 SEQUENCE LENGTH:129 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03898 SEQUENCE DESCRIPTION:	acid				
	GATCTGGTAA ACTTNNAATC	AATTAAATTA	ATGCANCAAT	AGATTATNAA	TATTAACTGA	60
20	CCATTTAAGT TTTTNAATAA GCTTTCAAA	GTTTTTTACA	AAGAAAAGTT	AAACATTAAA	AAGAATTACA	120 129
25	SEQ ID NO:3326 SEQUENCE LENGTH:128 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03899	acid				
30	SEQUENCE DESCRIPTION: GATCTGGAAA TNTTTTAATC CATTTAAGTT TTTNAATAAG CTTTCAAA					60 120 128
35	SEQ ID NO:3327 SEQUENCE LENGTH:127 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03900	acid				
40	SEQUENCE DESCRIPTION: GATCCTGTAG TGCCTCTATA CAAAGATGTA ACAATTTTAA TATGAAA					60 120 127
45	SEQ ID NO:3328 SEQUENCE LENGTH:131 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03901	acid				
50	SEQUENCE DESCRIPTION: GATCCATCGC GATACTATGT	GTGCATTATT	TGAAAGTTAT	TGGAAATTTT	ATTCAAACCG	60

	TGGAACAAAT GTATGTNATT TTTTTATACT TCTTAATTTA AATAAAATAT TTAATGCAC ATTAAAATAA A	T 120 131
5	SEQ ID NO:3329 SEQUENCE LENGTH:123 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	CLONE: HUNGS03902 SEQUENCE DESCRIPTION:	
15	GATCAGCCCT TTGTACAGAA AAATGTGTCT ATAAAAATTA TGTGTTATTT AATTCTGAT. CTTTTTTGGCT TGTAAATAGC TTCTTGAACT TTTTACAATA AAAATGTTTT AGAAACTGT AAA	
	SEQ ID NO:3330 SEQUENCE LENGTH:123	
20	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03903 SEQUENCE DESCRIPTION:	
25	GATCATGACC GGAACATGGN CTGGGTTTCC ACCCAGCTCC AGGCCACATG CAATGTCCAC AAGTNTGCCT TCAATNACTG GTTCAGTGGA CACCTCAACT TCCAGATTGA GCACCATCTN NNN	
	SEQ ID NO:3331 SEQUENCE LENGTH:205	
30	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03904	-
35	SEQUENCE DESCRIPTION: GATCGATTCA ATGCCCGATG CTTCTGTTTC ATTCCCGACC CTTTCTACTA TGCATTTCCC TTTTATCAGG TGTATAAAGT TAAATACTGT GTATTTATCA CTAAAAAGTA CATGAACTTA AGNGNAAACT AAGCCTTTCG TGTTTTTCCA NAGGNCNGCN NGGCTTCTNT GTACAGTTGG AATAAACAGA CAGCAAAATG GTAAA	120
40	SEQ ID NO:3332 SEQUENCE LENGTH:122 SEQUENCE TYPE:nucleic acid	
45	TOPOLOGY:linear CLONE:HUMGS03905 SEQUENCE DESCRIPTION:	
	GATCCTCAGG CGGCCCCCAC CAGGGCACAC CCTACTGTCC TTGTGCCTCA CGCCCCCTCC TCATCCTGCA CCCCTTCCAT CCCACCTTCC CTTTCAATAA ACAGCTGGGA TGGATACTGA AA	
50	SEQ ID NO:3333	

5	SEQUENCE LENGTH:120 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03906	acid				
	SEQUENCE DESCRIPTION: GATCTGATTT TTTCCCCCTT CCAGGAGGGC ACAGCAGGGG					
10	SEQ ID NO:3334 SEQUENCE LENGTH:119 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03907	acid				
15	SEQUENCE DESCRIPTION: GATCACCAGT GCATCCTTCA CCTGTCAACA AGGGGTCAAT					
20	SEQ ID NO:3335 SEQUENCE LENGTH:119 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGS03908 SEQUENÇE DESCRIPTION: GATCCATGAG GAAAAGATGC GAGCTCCCAG GGCAAGGGGT					60 119
30	SEQ ID NO:3336 SEQUENCE LENGTH:273 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE:HUMGS03909 SEQUENCE DESCRIPTION: GATCAGATTG CATGTNACTC GTCCCCAAAT CCGAACCTCC					60 120
40	CTTTGGAAAA TGCATTGTAT AGTTACTCCA GTGCCAACAA NTTTTAACTC TGTCTNCACC	TCCTAGTGCT	TTCCTTTTTN			
	SEQ ID NO:3337 SEQUENCE LENGTH:119 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3910	acid				
CA .	SEQUENCE DESCRIPTION: GATCACCATG AACAAAGNTA	TATTTCCTAT	TTATTTATTA	TATGTGCACT	TCAAGAAGTC	60

	AC	TGTCAGAG	AAATAAAGNN	TTGTCTAAAT	GTCATGTTGG	AGATNCCTTT	GCATNCTTN	119
5	SEC SEC	•	NGTH:118 PE:nucleic	acid				
10	CLC SEC	•	03911 SCRIPTION:					
						AGCATCTTCA AANTGTNAAT		60 118
15	SEC Sec	Q ID NO:33 QUENCE LES QUENCE TYS POLOGY:11s	NGTH:118 PE:nucleic	acid				
20	SEC	ONE:HUMGS(QUENCE DE:	03912 SCRIPTION:					
						TGGCTGAGTT	TCATTGCTTA ATCTTAAA	60 118
25	SEQ SEQ Top	POLOGY:li	NGTH:118 PE:nucleic	acid				
30	SEQ Gat	CCTCCTG (SCRIPTION: GCCGCCCCGC			CGGCAAGTCC AAGTTGATTT		60 118
35	SEQ Seq		NGTH:351 PE:nucleic	acid	·			
40	CLO Seq		03914 SCRIPTION:	ር ፕርፕ ር ፕርፕር	TAGCCCCTCT	CTCACACATC	ACATTCCCAT	60
	GGT CCC	GGCCTCA A	AGAAAGGCCC GCCCTGGGGT	GGAAGCGCCA ACCATGTGGC	GGCTGGAGAT CACAACTGCT	ANCAGNCTCT GTGGCCCCCT	TNCCCGTCGG GTCCNNAAGA	120 180
45	GAA	AGGGNGNG (GGGCGGGTCT	ATGGGGGAGA	ANGGGAGCGA		CAGCGACACA TGGGCATGGG N	
50	SEQ	I ID NO:3: QUENCE LEI QUENCE TYI	-	acid				

5	TOPOLOGY:linear CLONE:HUMGS03915 SEQUENCE DESCRIPTION: GATCATGCCG CTGCACTCCA ACCTGGGCAG CAGTGCAAGA CTCTGTCTCA AAAGGGGAAA 6 AAAAAAAAANT TNCTGATGTG NCCCATGAAG GGACCTCATT TNCCTCGNAA TTTTGGN 11	60 17
10	SEQ ID NO:3343 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE: HUMGS03916 SEQUENCE DESCRIPTION: GATCGGCCGT ACCAGCCGCC CCGCCCGCCG GTGGGCGCTC TCGGACTACT CGCTGTACTT 6 GCCGCTCTGA GTCAGTGGCC CCTTCGTTCC TTGTAAATAA ATCCCGCCCC CGGAAA 11	6 16
20	SEQ ID NO:3344 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03917	
25	SEQUENCE DESCRIPTION:	0
30	SEQ ID NO:3345 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03918	
35	SEQUENCE DESCRIPTION:	6 .6
40	SEQ ID NO:3346 SEQUENCE LENGTH:116 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03919	
45	SEQUENCE DESCRIPTION:	0 6
50	SEQ ID NO:3347 SEQUENCE LENGTH:116 SEQUENCE TYPE:puckeic acid	

5	TOPOLOGY:linear CLONE:HUMGS03920 SEQUENCE DESCRIPTION: GATCAAGGCC AAATAACCCG ATTTGGTTTG GGCACTCAAG CAATAGTAAA GCCTGTAAGA 60 CATGATAGGA TTATNTTCCC CTTTGGATTT AAATNTAATA TAGCAGTTGG ATTAAA 116
10	SEQ ID NO:3348 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
15	CLONE: HUMGS03921 SEQUENCE DESCRIPTION: GATCCTGTAG ACCCTTTCTT TTGGCCAATT TCCCCCTTTT TGGGATGGAA ACATTTACCC 60 AATCCCTATA CCCCCATTGT ATCTTGGAAG TAAATAATTT GTTTTTGATT TTAAA 115
20	SEQ ID NO:3349 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
25	CLONE: HUMGS03922 SEQUENCE DESCRIPTION: GATCTCTTCA CTGTNAAAAG TTGCCCGGGT GCAGCGCCTT TCCCTTCTAN CATGGGAAAT 60 GCAGGCTGGG CCCTTGGGNT NAGCCTGCGG GGCTCTGGTG CTGTCCCCGA CCCNN 115
30	SEQ ID NO:3350 SEQUENCE LENGTH:113 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
35	CLONE:HUMGS03923 SEQUENCE DESCRIPTION: GATCCACTGT TTGCAGCAGA ATTATATATA TGTATAGGAA AAATCCACTT TGAATAATCC 60 ATGTTTTGTA TTTGGAAATT GTTTTTAAAA ATAAAAAGGA AAGGAAATAT AAA 113
40	SEQ ID NO:3351 SEQUENCE LENGTH:113 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
45	CLONE:HUMGS03924 SEQUENCE DESCRIPTION: GATCTAGGCA GTGGGTTAAG CCAGACCCCT AAAAGTGACC CTTTCCTCTT CTGCCCTATT 60 CTNCTNAGAC CCTCAGAAAG NNNTCCAATT TTTTAAAATC CCTGTAGCTC CAN 113
50	SEQ ID NO:3352 SEQUENCE LENGTH:117 SEQUENCE TYPE:nucleic acid

5	TOPOLOGY:libear CLONE:HUMGS03925 SEQUENCE DESCRIPTION: GATCTGATGA ATTGGTTTTT GAATCCCAGA AANGGTCTGC CATGGAGTTG GCAGTCATCA CGGTAGATGG CGTATGATTT TCCTGAATTT TAAATAAAAT GAAAACCATA AATTAAA	60 117
10	SEQ ID NO:3353 SEQUENCE LENGTH:112 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE:HUMGS03926 SEQUENCE DESCRIPTION: GATCAGAGCT GTTAGGTAAA GGCCTAACCA CCTCCCTGCA GNCTCTTAAN TCTCAAGCTT TAGGAACCCA TTTCTAAANG TACACTAGCG GAGANTTTAT ATTGTCAGCC NN	60 112
20	SEQ ID NO:3354 SEQUENCE LENGTH:111 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
25	CLONE: HUMGS03927 SEQUENCE DESCRIPTION: GATCACGGTA CGTCCATAAA GCCAGTATTA CACTTAAATN NAGTATTCTT TTTTGTAATC GTTTTTTTTA GAAGGTAAAC AAATTTAATA AAGCTACCAA TAATGTTGAA A	60 111
30	SEQ ID NO:3355 SEQUENCE LENGTH:111 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
35	CLONE: HUMGS03928 SEQUENCE DESCRIPTION: GATCTAGAAA NTGCCCTCCT TATACCCCTA CCATGAGCCC TACAAACAAA AAACCTGCCA CTAATAGTAT GGTCATCCCT CTNANTAAAN CATCATCCTG GCCCTAAGGN N	60 111
40	SEQ ID NO:3356 SEQUENCE LENGTH:111 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03929	
45	SEQUENCE DESCRIPTION: GATCTTTGCA ATTNAAGGNT TAGCCACGTG GCTTGCTTCA GCNAGTAATG TGAATGGAAA	60 111
50	SEQ ID NO:3357 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic acid	

5 .	TOPOLOGY:linear CLONE:HUMGS03930 SEQUENCE DESCRIPTION: GATCCCGTAG AATATATATT TCAGTAACAC AAGCTTCTTT	TAATAATCCC				60 110
10	SEQ ID NO:3358 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS03931 SEQUENCE DESCRIPTION: GATCTCCGTG GTGGTCGTGG CGGCAAGACG GCCGAGTACG				TCCTGGTCAC	60 110
20	SEQ ID NO:3359 SEQUENCE LENGTH:115 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGS03932 SEQUENCE DESCRIPTION: GATCCTTCGA AGCACTCAGT TGCCACTATG TGTGTGTTTT					60 115
30	SEQ ID NO:3360 SEQUENCE LENGTH:214 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE:HUMGS03933 SEQUENCE DESCRIPTION: GATCCACTAA TGTAGCTTAA GTATTGGTGT AAGAGTTGAT AAACATTTTG CATCCCTTTT	GAATGACTTT	AGCTGTGTGA	ATATATAATA	GTCAAACTGC	120
40	GCTTTGCCGT TTAATAAAA	GCTATTTCAG	NAAA			214
	SEQ ID NO:3361 SEQUENCE LENGTH:110 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO3934 SEQUENCE DESCRIPTION:					
	GATCANAGAT TTCAATNACA ATTTCTNCTT TAATGTTCAC				ATTGTNTTNA	60 110

55

SEQ ID NO:3362

5	SEQUENCE LENGTH:108 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03935 SEQUENCE DESCRIPTION: GATCTTCCCC TGACCTGCTC CCAGGGCTAT AACAGATACG GACTTTGAAA CTGTATGGAG TATAGAGCAG TGCTCTATAA TTTAAAATAT ACATATATTG CAACCAAA	60 108
10	SEQ ID NO:3363 SEQUENCE LENGTH:363 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
15	CLONE:HUMGS03936 SEQUENCE DESCRIPTION: GATCTTCAGC TTGGTAGATT TAATTGCCCA GTGAATGGCA CTTACGTTTT CATTTTNNAC	60
	ATGCTAAAGC TGGCAGTGAA TGTNCCACTG TATGTCAACC TCATGAAGAA TGAAGAGGTC	120
20	TTGGTATCAG CCTATGCCAA TNATGGTGCT CCAGACCATG AAACTGCTAG CAATCATGCA	180
	ATTCTTCAGC TCTTCCAGGG AGGCCAGATA TGGTTACGNC TGCACAGGGG AGCAATTTNT	240
	GGAAGTAGCT GGGAAATATT CTACGGTTTC AGGCTATCTN CTTTTATCAA GGTTTGAATG	300
	TCAGTNCAGT NTTTGACNAC TAAAAGGNNT NGGGGTNCTA ATTANGTNGG GTTTGAAGGG	360
25	TAN	363
	270	
30	SEQ ID NO:3364 SEQUENCE LENGTH:106 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03937 SEQUENCE DESCRIPTION:	
	GATCTGGGGA GTNTNAGGAG AGGGTGGCAT CAGNAGCTGC TCAGGCTTGG CGGAGGGAGC	60
35	GGCATGGCCG ATGTCACTCA GCCCCTTCCC GGTCCGCCCN NTTCCN	106
40	SEQ ID NO:3365 SEQUENCE LENGTH:105 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO3938 SEQUENCE DESCRIPTION:	
	GATCGTTTTT TCCAGAGTCG CGGGGACACA GGAGTNTTCC TACAGTACAT NCACGCCCGC	60
45	NTCCACAGTT TGGAAGAGAC TTTTGGATGT GGGTACNTGA NTGAN	105
50	SEQ ID NO:3366 SEQUENCE LENGTH:105 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGS03939	

	SEQUENCE DESCRIPTION:					
	GATCATCTAA AAAATGCCAT	GANTGGAAAT	NCGAAGGCCC	AGACACCAAT	ATTTCNTAGA	60
	AGTAAACAGC TCAAAGACAC					105
5						
	SEQ ID NO:3367					
	SEQUENCE LENGTH: 104					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear					
	CLONE: HUMGS03940					
	SEQUENCE DESCRIPTION:					
	GATCCAGTGG GGTCCGGACA	CTGGGCCCCG	CAGCGAAAGC	ACGNTCCAGC	CACCAGGAGG	60
	CCACCTATTN TTTCAAAATA				0000000	104
15				0.00.		
	SEQ ID NO:3368					
	SEQUENCE LENGTH: 104					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear		•			
	CLONE: HUNGS03941					
	SEQUENCE DESCRIPTION:					
	GATCAAAAA GAAGAGTTAA	AACAACACAT	GTAAATNCCT	TTTAATATTT	NATGGGAATG	60
25	CCTCTCATTT AAAAATAGAA	ATAAAGCATT	TTGTTAAAAA	GAAA		104
25						
	SEQ ID NO:3369					
	SEQUENCE LENGTH: 104					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUMGS03942					
	SEQUENCE DESCRIPTION:					
	GATCCTTTAT CTTTCCATAT	GGCACACGTA	AGAAAGTGTT	TTTCTACTAT	TAATATTAAA	60
35	TTAAAACCTT TACTTNTGTA	TAATAAATNA	AAACTCAGAA	TAAA		104
	SEQ ID NO:3370 -					
	SEQUENCE LENGTH: 104					
	SEQUENCE TYPE: nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS03943					
	SEQUENCE DESCRIPTION:					
	GATCTGGAAG AGGCTTGTAA	CCTGAACTAN	TATGTAGGAA	GGCAGTACNA	NCAGCCCACC	60
45	AGTGTAATCT CCCTGNATTA	AGGCATTCTT	AAAAACTTAG	GCNN		104
	SEQ ID NO:3371		•			
	SEQUENCE LENGTH: 104					
50	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLURP MIMIONICAL					

	SEQUENCE DESCRIPTION: GATCCGCTCT GGTCAAACCC GGAAGGCANN CTGATGGGGC				TNACCTGCTG	60 104
5	ournidonim oldridggo	nchocci I dd	CCICICUICC	ACUN		104
10	SEQ ID NO:3372 SEQUENCE LENGTH:102 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE:HUMGS03945 SEQUENCE DESCRIPTION: GATCAAAATT TNTTGATAAT	TTAAAAATTG	TGTGTGATTT	TNAAATTTNA	AGAAATTGCT	60 -
	GAAAACTTAG AAAAATATAA					102
15						
	SEQ ID NO:3373 SEQUENCE LENGTH:105 SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear CLONE:HUMGS03946 SEQUENCE DESCRIPTION:					
	GATCAATAAT TTAAATGTAA				TTGTGTATAT	60
25	AACATAACTA ATCTGTAAAT	NGTAATAAAT	ATATTTNCAA	TTAAA		105
30	SEQ ID NO:3374 SEQUENCE LENGTH:99 SEQUENCE TYPE:nucleic at TOPOLOGY:linear CLONE:HUMGS03947 SEQUENCE DESCRIPTION:	ac i d				
	GATCATTTAG TACTTTTGTN	TTCTCCCATG	TGCTTGAAGG	AAAAATAAAG	TGTCACTACC	60
35	GTATTTNTTG TTTTCATCAA				141011011100	99
40	SEQ ID NO:3375 SEQUENCE LENGTH:97 SEQUENCE TYPE:nucleic of TOPOLOGY:linear	acid				
	CLONE:HUMGS03948 SEQUENCE DESCRIPTION: GATCTTTAGC ACAGTGATAT			GGTCTAGAAT	CTGTACCCTT	60
45	ACCCACATAT GAAGAATAAA	ATTGATTAAA	GGTTAAA			97
50	SEQ ID NO:3376 SEQUENCE LENGTH:97 SEQUENCE TYPE:nucleic of TOPOLOGY:linear	acid				
	CLONE: HUMGS03949					

5	SEQUENCE DESCRIPTION: GATCAATAAT AATNAGGAAA AAANATTAAA AGGCTAACAT			AGTTGAAAGC	ACTTATTGGA	60 97
10	SEQ ID NO:3377 SEQUENCE LENGTH:94 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03951 SEQUENCE DESCRIPTION:	acid				
15	GATCCCCCTC CTTCCCCCTC GAAATAAAAT AGAAATATGT			CTGCTGGAAA	ATNACATCCG	60 94
	SEQ ID NO:3378 SEQUENCE LENGTH:93 SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear CLONE:HUMGS03952 SEQUENCE DESCRIPTION:	4 0.74				
25	GATCCTAAAC TTTTTGGATA NAGATTAAAA TAAAANATGC			TTGAATTTAA	TCATTGTNCT	60 93
30	SEQ ID NO:3379 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03954	acid				
35	SEQUENCE DESCRIPTION: GATCTGGAAA TCCCTGCTGT TTTTAAATAA AACCATTCCT			CTGGAAATAA	TTAGTTTTTG	60 91
	SEQ ID NO:3380 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGS03955 SEQUENCE DESCRIPTION:	##C#C#C# A	ጥጥ ሮ ርስጥጥ ል ል	ጥ እነጥጥጥጥሮ ጥር	ርጥል ል ፕሮሞሮሞፕ	60
45	GATCTATGGC - CTCTGGTGCT CAATCAATAA AATTGTGCGT			INITITITIE	CIAAICICII	91
50	SEQ ID NO:3381 SEQUENCE LENGTH:91 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CI ONE · HIMCSO3956					

	SEQUENCE DESCRIPTION:					
	GATCAACTNA ATGTTTAAGA	CTTTAGATGT	CTTGTATTAA	AAATTACACA	AAAAAGTAA	60
	AACTITITAT ACTTACCCTT	TTAACTCTAA	A			91
5						
	SEQ ID NO:3382					
	SEQUENCE LENGTH: 90					
	SEQUENCE TYPE: nucleic	acid				
10	TOPOLOGY: linear					
	CLONE: HUMGS03958					
	SEQUENCE DESCRIPTION:					
	GATCTCTGTA ATNTTATNTA	GAGTTTGAGC	TGAAGCCCCG	TATATCTAAT	NTATTTTGTT	60
	AAACATGAAA GTGCATCCTT	TCCCTCCAAN				90
15						
	SEQ ID NO:3383		,			
	SEQUENCE LENGTH: 88					
	SEQUENCE TYPE: nucleic	acid				
20	TOPOLOGY:linear		,			
	CLONE: HUMGS03959					
	SEQUENCE DESCRIPTION:			-		
	GATCATACCT ATTAAAATAA	TGCCAAACAC	CAAATATGAA	TTTNATGATG	TACACTTTGT	60
	GCTTGGCATT AAAAGAAAAA	AACACAAA				88
25						
	SEQ ID NO:3384					
	SEQUENCE LENGTH: 88					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear					
	CLONE: HUMGS03960					
	SEQUENCE DESCRIPTION:					
	GATCAAGAAG ACGNNTAAGG	GAAGAACGTA	CACAGTGAAA	ANCCAAAAA	AGAAAAAAAT	60
35	GTTTATACAA CCCTAAGTCA	ATAACCTN				88
	SEQ ID NO:3385					
	SEQUENCE LENGTH:87					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear					
	CLONE: HUMGS03961					
	SEQUENCE DESCRIPTION:					
	GATCTAGGCA CACCTNGCTC	TTNGCTGCAT	GTGGTTATNA	ACANCTTCCA	GTGGAAGTCG	60
45	AATAAACAGT TTTTGGTAAA	TCTCAAA				87
	and the up acce					
	SEQ ID NO:3386					
	SEQUENCE LENGTH: 85					
50	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CIONE · HIMCSO3962					

	SEQUENCE DESCRIPTION:					
	GATCCTGCCC TGAATCTCCA	TAGTCTCCAC	TGTGAACTGA	GGAGGGGAGG	GGTGTGCTGG	60
	GGAATAAATC TTGTATGAGA	ACAAA				85
5						
	SEQ ID NO:3387					
	SEQUENCE LENGTH: 84					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear					
	CLONE: HUMGS03963					
	SEQUENCE DESCRIPTION:					
	GATCCATTTA NAGGCCAAAT		AGGTGCCTTC	CCGATGGATT	AAAGGTGCTT	60
15	ATNTTTTTT AAGTTTNAAG	TAAA				84
	070 ID NO 0000					
	SEQ ID NO:3388					
	SEQUENCE LENGTH:81					
20	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGS 03964					
•	SEQUENCE DESCRIPTION:					
	GATCGTGTTC ATTTTGNTTT	CCGATTCTAG	ATATA ACTTT	TCNATCCCCA	CGAAGACTAA	60
	AATAAAAGTT TTTAAGGTAA		AIRIAAGIII	IdikIdddCh		81
25		п				01
	SEQ ID NO:3389					
	SEQUENCE LENGTH: 81					
	SEQUENCE TYPE: nucleic	acid				
30	TOPOLOGY:linear					
	CLONE: HUMGS03965					
	SEQUENCE DESCRIPTION:					
•	GATCTCCAGA TGTAATTTCC	CCTCTTTAAT	TTAAANTAAT	NTAAAGATTA	CTAAAACAAT	60
35	AAAANCTCCT AAAAANTCAA	A				81
	ana in no coco					
	SEQ ID NO:3390					
	SEQUENCE LENGTH: 88	• • •				
40	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE: HUNGS03966					
	SEQUENCE DESCRIPTION:					
	GATCTTTCTT TCCAAAACAT	ተ ሞር ተርር ልር ልር	TACCTCATTC	T 4 TTTTTTTT	*****	60
45	AAGCACAAGT ACTTTNGNGN		INCCIUNITU	IMITITITI	IIIAAAAIAA	88
70		IIUIIAA				UU
	SEQ ID NO:3391				•	
	SEQUENCE LENGTH: 76					
50	SEQUENCE TYPE:nucleic	acid			•	
JU	TOPOLOGY: linear					
	CLONE: HUNGS03967					

	SEQUENCE DESCRIPTION:	
	GATCCCCCCA CAGCCCCTGG TCAGTCTGCC CTTGTCACTG GTCTGAGGTC ATTAAAATTA	60
	CATTGAGGTT CCTAAA	76
5 .		
	SEQ ID NO:3392	
	SEQUENCE LENGTH: 78	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
10	CLONE: HUMGS03968	
	SEQUENCE DESCRIPTION:	
	GATCACAATC ATTITGAATC CCTCTTCCTC ACTTTTTTT CTAAGAAAAT AAACATTTTA	en
	CTGTTTTTAT GGAATAAA	
15	CIGITITAL GUANIANA	78
	SEQ ID NO:3393	
	SEQUENCE LENGTH: 73	
	SEQUENCE TYPE:nucleic acid	
00	TOPOLOGY: linear	
20	CLONE: HUMGS03969	
	SEQUENCE DESCRIPTION:	
	GATCACAGCT GACATTTACA AAATATTTTT NTACCTTAGA ATTTCTGCAT TAAATAAAAT	~~
	ATTTTGTTTT AAA	
25	ATTITUTE AAA	73
	SEQ ID NO:3394	
	SEQUENCE LENGTH: 68	
	SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY: linear	
	CLONE: HUMGS03971	
	SEQUENCE DESCRIPTION:	
	GATCTTTTGC TAATGCAATT AGNATTATGT TTTGCATGTA TGACTTAATA AATCCTTGAA	60
	TCATAAAA	68
35		00
	SEQ ID NO: 3395	
	SEQUENCE LENGTH: 67	
	SEQUENCE TYPE: nucleic acid	
40	TOPOLOGY: linear	
	CLONE: HUNGS03972	
	SEQUENCE DESCRIPTION:	
	GATCCTCTAA ATNTGGAATT TTGATGTAAT AACTGCTAAT AAAATNATAT TGAAACTGTT	60
45	TTATAAA	67
	SEQ ID NO:3396	
	SEQUENCE LENGTH:65	
	SEQUENCE TYPE: nucleic acid	
50	TOPOLOGY: linear	
	CLONE: HUNGS03973	

5	SEQUENCE DESCRIPTION: GATCAAAGCC CGGAAAGGCA A TCAAA	AATGAAGCNT	CATGTGTAGT	GTAATAAAGN	TGTCTGCTGT	60 65
10	SEQ ID NO:3397 SEQUENCE LENGTH:65 SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUMGS03974	acid				
15	SEQUENCE DESCRIPTION: GATCGAAGCC TGTGTAAAAT (TTAAA	GCTACCAAAT	GGCAAAAAGC	AACAATAAAC	AGTTTGATTT	60 65
20	SEQ ID NO:3398 SEQUENCE LENGTH:64 SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUMGS03975	acid .				
25	SEQUENCE DESCRIPTION: GATCCCCAAT ATATCTACCA 1 TAAA	TTGTATGTTA	AATAAATNAC	CATTTTTGTA	GAAAAAATTC	60 64
30	SEQ ID NO:3399 SEQUENCE LENGTH:71 SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUMGS03976 SEQUENCE DESCRIPTION:		C#44###444	T & A A TTT & CT	****	£0.
35	GATCTGTAAA TNACTTTAAA A	AGCIAITIIA	GIAATITAAA	TAAATTTACT	TICTIGGITT	60 71
40	SEQ ID NO:3400 SEQUENCE LENGTH:63 SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUMGS03977	acid				
45	SEQUENCE DESCRIPTION: GATCTCTATA NTTTTTTTA A	AATTTTCTCC	AGCCTGGGTG	ACAGAGCGAN	ACTCCGTCTC	60 63
50	SEQ ID NO:3401 SEQUENCE LENGTH:63 SEQUENCE TYPE:nucleic : TOPOLOGY:linear CLONE:HUMGS03978	acid				

5	SEQUENCE DESCRIPTION: GATCTCCTGC TGCCTTTCCT AAA	GGAGTTTGTA	AAATTNTNCC	TGAATACAAG	CCTATGCGTG	60 63
10	SEQ ID NO:3402 SEQUENCE LENGTH:62 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGS03979 SEQUENCE DESCRIPTION: GATCCAAGCA TAGTAGAAAA AA	GCTTCATGTG	TTTTAAAAAA	TAAACAATAA	CAAAAAATTA	60 62
20	SEQ ID NO:3403 SEQUENCE LENGTH:61 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGS03980 SEQUENCE DESCRIPTION: GATCATGTGT TCTGGAGAGT A	GTTCTTTATT	CAATAAAGTT	TTAATTTAGT	ATAAACATAA	60 61
30	SEQ ID NO:3404 SEQUENCE LENGTH:61 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03981 SEQUENCE DESCRIPTION:	acíd				
35	GATCTAATTT TTCAAACCTT A	CACTATTTTG	AAAATATAAC	CAAGGCCGGT	TGCGGTGGAA	60 61
40	SEQ ID NO:3405 SEQUENCE LENGTH:60 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03982	acid				
45	SEQUENCE DESCRIPTION: GATCATGAAA CTGATTGTAA	AGCTTTTTGA	CAACTAATAA	ATGTCTTGGT	AATTGCTAAA	60
-	SEQ ID NO:3406 SEQUENCE LENGTH:59 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
50	CLONE:HUMGS03984 SEQUENCE DESCRIPTION:					

	GATCAATGGA TTTGTTTACA	ATGTGATATT	TTCTATTAAA	TCCAGTATTT	TCAAATAAA	59
5	SEQ ID NO:3407 SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03985	acid				
. 10	SEQUENCE DESCRIPTION: GATCTTGTAC TAACTTATGA	TAGAATGTAT	CAGAATAAAT	ATTTTTAACA	GTGTTAAA	58
15	SEQ ID NO:3408 SEQUENCE LENGTH:53 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03986	acid	·			-
20	SEQUENCE DESCRIPTION: GATCATNAAA GTATACAAAA	TAAATAAAGT	AGGAGATTTT	TTTGCTGTTT	AAA	53
25	SEQ ID NO:3409 SEQUENCE LENGTH:121 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03987	acid				
30	SEQUENCE DESCRIPTION: GATCTGTTTA GTGAGATTTA TNTTCCCAAT CGGTAGAAAT A					
. 35	SEQ ID NO:3410 SEQUENCE LENGTH:51 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE: HUMGS03988 SEQUENCE DESCRIPTION: GATCATTGTT AAAGGATTGC	TGCAAATAAA	TACACTTTAA	TNTCAGTCAA	A	51
45	SEQ ID NO:3411 SEQUENCE LENGTH:60 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS03989					•
50	SEQUENCE DESCRIPTION: GATCTTTAAA ACATTTTTAA		TGAATAAAGG	CACAATTAAA	AACTGTCAAA	60

5	SEQUENCE LENGTH:53 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS03993 SEQUENCE DESCRIPTION: GATCAAACAG AAGCAGCCGT GGGCAAAATA CAATTTCATT TAACAAATTG AAA 53
10 s	SEQ ID NO:3413 SEQUENCE LENGTH:521 SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
15	CLONE: HUMGS04020 SEQUENCE DESCRIPTION:
	GATCTCATAG GACGGAGGG GAAATGGTTT CCCTCCAAGC TTGGGTTAGT GTGTTANCTG 60 CTTATCAGCT ATTCAGACAT CTCCATGGTT TCTCCATGAA ACTCTGTGGT TTCATCATTC 120
	CTTCTTAGTT GACCTGCACA GCTTGGTTAG ACCTAGATTT AACCCTAAGG TAAGATGCTG 180
20	GGGTATAGAA CGCTAAGAAT TTTCCCCCAA GGACTCTTGC TTCCTTAAGC CCTTCTGGCT 240
	TCGTTTATGG TCTTCATTAA AAGTATAAGC CTAACTTTGT CGCTAGTCCT AAGGAGAAAC 300
	CTTTAACCAC AAAGTTTTTA TCATTGAAGA CAATATTGAA CAACCCCCTA TTTNGTGGGG 360
	ATTGAGAAGG GGTGAATAGA GGCTTGAGAC TTTCCTTTGT GTGGTAGGNC TTGGAGGAGA 420
25	AATCCCCTGG NCTTTCACTA ACCCNTNTGG ACATACTNCC CACAACCCAG TTNGATGGGN 480
	TTTCCCGTAA TAAAAAGGGN TNGGGNNTTN CCTTTTTGAA A 521
30	SEQ ID NO:3414 SEQUENCE LENGTH:501 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS04021 SEQUENCE DESCRIPTION:
35	GATCAGAAAT NACTGTGTCA TGGTGCTCAT TCACTGCAAA CTCCCAGTTG NAAGCTCCTT 60
	GGCTCCCCCG GAGGAGCAAG AATCTCATAG TTCAGAGACA CAGAGGGCCT TTTAGCCCTA 120
	ATNACCTTTT GGATGGGACT GCAACTCATG ACTATCCTGA TATTGGAAGA AAGGACTTTG 180
	TTAATCTTCT CCCCCATAGC TCTGCTGCGT AGGTCTACAT CTTACTCAGA ATCACTACAC 240
40	ATTCCTTTAG TCTTCCTCCA AGCTCCAGAG CCATTGGTAC AAATGCTTTA TTGAAACTAA 300
	ATACATANTN NACACAATGA GATGAAGACA ATATAGANGT NCGCATAGTC ATCATAATCC 360
	CGTTCCTTGG CCGGTTGAGG CAGCTCAGTG GCTGAGCCCA GTCAAGCCAA CCCGGNAGTT 420
	TCACTCACGG CNTTCAAGGN TTTTGATGCT AATTCTTTTG GGTTTCCTAC AGTTTATTAA 480 ATAAGTNGTC TGNGTGGGAA A 501
45	ALAAGINGIC TGNGTGGGAA A 501
	SEQ ID NO:3415
	SEQUENCE LENGTH: 485
	SEQUENCE TYPE:nucleic acid
50	TOPOLOGY: linear
JU	CLONE: HUNGSO4022
	SEQUENCE DESCRIPTION:

,

	GATCTCAGTG AACTAATACA	CAGCTTGAG	GTTTCCATGI	GCTAATGTTG	CACATTTACT	60
	AAAAAACTTT GGAAATGGAA					
	AAAGATATAG TTTTGTTCCA					
5	CTTACTGGCT GTAGCAATGC					
	TGTAAAGTGT GTAAAACCTA					
	TCCTTTTGCC CCTTGGTAAG					
	TATTAAAATC ANCCATGTGG					
10	GGATTTGAGA AAAATTTGGG					
70	GTAAN				AINCITITI	485
						100
	SEQ ID NO:3416					
	SEQUENCE LENGTH: 471		•			
15	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04023					
	SEQUENCE DESCRIPTION:				-	
20	GATCTGTTTT TTCATCGAGG	TNTCGAGGTA	TNCTTTNAAA	GATAGTGANA	NGCAGACACT	60
	GCTCCTTGTG CAGCTCTGGT					
	CTTCTGTCCT CGTGTCTTGG					
	GCAAGTGCAG GTATGAAATG					
25	GAGATGAATA CTTCCTGAGA					
25	ATCATTAAAA AAAACAGTTT					
	TGTATAAAGC AGCGTCTTAT					
	GATAGATTCT CAAATATCCT					471
30	SEO ID NO. 2417					
30	SEQ ID NO:3417					
	SEQUENCE LENGTH: 466					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS04024					
	SEQUENCE DESCRIPTION:					
	GATCAAATAT ATTTCAAGCT					
	GTATTTAGGG GCAAGTAATA					
40	ACACAGACAG TITCTGACAG					
	TGGAGATGAG TCAGTGCCAT					
	GTTCCCCGAG AACTTTCTGA					
	GCATAGCTTN NNNAATATCT					
	TTTCTGGANT CGCTTGAACC	CAGGANGGCG	GGAGGTTNCA	GTAAGCCAAG		
45	CTGCACTNTT AGCCTTNGGT	nanaantnga	GGTTTCCATT	TNTAAA		466
	SEQ ID NO:3418					
	SEQUENCE LENGTH: 464					
	SEQUENCE TYPE: nucleic	anid				
50	TOPOLOGY: linear	aclu				
	CLONE: HUNGS04025					

	SEQUENCE DESCRIPTION:					
	GATCGCCAGG CTGATTGAGA	AGAACAAGAT	GAGTGACGGG	AAGAAGGAGG	AGCTCCAGAA	60
	GAGCTTAAAC ATCCTGACTG					
5	AGGCTGTCTG TGATTTTCCA					
	CTGTGAGTCC CTTGTGGAAT					
	TGAGCCCTGA GTATGCCTGG					
•	TGGTCTGGGG ATAGCTGGAG					
10	ATNAGTGCTA TAGAGAGGAG					
10	TCATTCANTT AAAGGTTTCA				ddidianiic	464
		0.01111100	TIMOGIGAN	TIMA		TUT
	SEQ ID NO:3419					
	SEQUENCE LENGTH: 457					
15	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acru				
	CLONE: HUNGS04026					
	SEQUENCE DESCRIPTION:					
20	GATCACCTTC CTGTCTGGAG	GCCAGAGTGA	GGAGGAGGCG	TCCATCAACC	TCAATGCCAT	60
	TAACAAGTGC CCCCTGCTGA					
	GGCCTCTGCC CTGAAGGCCT					
	GTATGTCAAG CGAGCCCTGG					
	TCAGGCTGGG GCTGCTGCCA					
25	GGTGTTCCCA GGNTGCCCCC					
	GGAGGNCGCC TTCTTNGGGG					
	TTGGGTGANA NATGGGTNGT			CCGGGWIIII	1111111000	457
		TINGUNGUCU	dimilin			701
30	SEQ ID NO:3420					
	SEQUENCE LENGTH: 452					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	4014				
35	CLONE: HUMGS04028					
33	SEQUENCE DESCRIPTION:					
	GATCTGGAGG GGTCAACGGA	AGACGGAACA	TGTCCACTTC	CAGGCCCGAG	CTTCTNAGCC	60
	TGCCGTTTGC CACTCTCCAG					
	NNACTCCGTG CTCCCATCAC					
40	CACCTCTGAG TTTTTGCCCA					
	CTCCCCCTTG TNTGGATAAT					
	AAGGTCTTCC CCAAGTGGCC					
	CTTTTTTGTT TCCTNCAACC					
45	TNGTCCNAGG GAAAAAGNNT					452
	•		•••			
	SEQ ID NO:3421					
	SEQ ID NO:3421 SEQUENCE LENGTH:450					
	SEQ ID NO:3421 SEQUENCE LENGTH:450 SEQUENCE TYPE:nucleic	acid				
50	SEQUENCE LENGTH: 450	acid				

	SEQUENCE DESCRIPTION:
	GATCAAAACT AACCTTTCAG CGTATTCTCA GCTATGACAC AGTGGTGCAA ACAACTGGAG 60
	ACTCGTGGCA CATACCATAT GATGAAGACT TGGTAGAAAG ATGTTCCTGT GAAGTACCAA 120
5	CCAAATGGCT TTGCCTCCAC CAAAAGACAT AGAGATTCTT ACCTCTATGC TAAGTTTGTG 180
	TTTGGGTACC CTCTAGGTTG GCATCAGAGG CTCTTGAGCT GGTGTTTGTT TAGGGCATTG 240
	CCTCTGTCCT GAAGATAAAA GGATTNTATT AACAGCATTG ACATTGATTT TTTAATGAAA 300
	TGAGATATAT CTTTTCATAA CCAGCTGCGT TTTTTTCCCC TAACATTTGT TTTTGGAGGG 360
10	CTTATCAAGA GTTGGAGACC TTAGTGTAGA GCAAAACCTG CATTTCTCCT ACTGGGCCAG 420
	CTATTCCACT TAGGCTTGGG TGACTAANAN 450
	SEQ ID NO:3422
	SEQUENCE LENGTH: 444
15	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS04030
	SEQUENCE DESCRIPTION:
20	GATCCCAAGT ATTAGGAGCT ATTTCTTAAA TAGTTTAAAT TTGCCTTTGA AAAAAGTTCC 60
	ATTACTTAAA AGTATTAATT TAAGCAAAAT CATGGAACAC ATTGACTAAA AAATACCTTT 120
	TATTTTTACT CAACTTGTTA AAGGGGCAGA TAAAGACTTT GGCAAATTTG ATTAACTGCA 180
	CAAAATAATG TTATCCAAAC TGAGTAATTT ATTGCTGGTC TGNGGCTTGC CTTGTTTACA 240
25	CTTAAGTAGA ATTTACGTTG TTTCCACAAA TGGCAGATAT CANCATTTAA AGGNATTTAA 300
	TAGTGACCTA TTCAATAAGG CANTCATCTG GGGTAGCAAA CTTTTNTTTA AATCTNACAT 360
	AACCTCAGGC TTTATAANAA NGCCACCATA ATTGGAAAAT TGGGGNTCCT CCCCTCTAAA 420
	NGCCTTAAGG GATTCAAAGG CTCN 444
30	SEQ ID NO:3423
	SEQUENCE LENGTH: 439
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
35	CLONE: HUMGS04031
	SEQUENCE DESCRIPTION:
	GATCTTGTGA AAATGCTGTT AGTATCCAAC CTTAAAATAT ATTAGTATAT GGGTTTTTAT 60
	TAAAAGAATT ACTTTGAATT TNCTATTTAA TTCATATGTA AATAAAGGAA CATTTCATTT
40	CACTTAAAAA AATTATATCA GTTATTAGGC TGGGTGCAGT GGCTCATGCC TGTAATCCCA 180
70	GCACTTTGGG AGGCCAAGGC GGGTGGATTA CCAGAGTTCG GGAGTTTGAG ACCAGCTTGA 240
	CCAACATGGA GAAACCCCGT CTCTACTAAA ATTACANAAT TNGCCAGGTG TGGTGGCGCA 300
	TGCCTGTAAT CCTGGGCTAC TCAGGAGGCT TGAGGCAGGN GAATNGGNTT GAAAACCCCN 360
•	GGGGGNNAGA GGTTGCGGTT GAGCTGAGNN TTGCGCCATT NNACTTCCNN CCTGGGCAAG 420
45	GNGGGGNGNA ACCTNTNNN 439
	SEQ ID NO:3424
	SEQUENCE LENGTH: 437
50	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS04032

	SEQUENCE DESCRIPTION:		
	GATCTAAGAA ATCATGTGCA TATATCTTTC AGAT	TTCTAT TTTGGGAAAN TGAAGGTTTC 6	0
	TACAACATAT TGTTTCAGTG TTCAAATAAA CTGA	AGGACT CAACATTACA TTTGAACTAT 12	0
5	ATCCTTCCTA GTGGGTTAGT GTGAAAAAGN GNTT	GGCTGA TTCCTAAAAC TCTGCCAGCC 18	0
	CTGCAGTAAT CTCCAGGGNC NNGTTATTGT TCAG	ACATTC CNTGGTGATT CCTGGGAAGG 24	0
	AAGCTTGGCT GCTCAGTTTC TGAGTCTGGG GTGA	GATAAT GTTCTGGGAA GGGACATCTG 30	0
	TTCTTTGGTG TAATCTCTCA TGGTGAAATC TGCT	CTGTAC ATCAGACAAT TGCATTGCTA 36	0
10	CCAAGTTTCA TACCAAATAT TTGAAAGGTT GGTA	TTGAAT CTAAANCCAA ATATTAGTTT 42	0
	TTNTTAAACT CATGGGN	43	
	SEQ ID NO:3425		
	SEQUENCE LENGTH: 424		
15	SEQUENCE TYPE: nucleic acid		
	TOPOLOGY: linear		
	CLONE: HUMGSO4033		
	SEQUENCE DESCRIPTION:	* · · · ·	
20 .	GATCCAAACC TTACACCTGA GTCTGTTAAG AGCG	CCCTGC TACAGGAGGC CACAGACTGC 60	0
	CTGATTCTNN NGGACCGCTG TTCTCAAGGA CGGG	FAAAGG GTCTCCTGGC CAAAATTCCC 120	0
	CAAAGCTGTG AAGACAGAAA AGTGGTGAAC TATA'	TCAGAA AAGTGCAGCA GGTTTCTGAA 180	0
	GGCGCACCCT ACAATGGAAC TTAAGACTTG TATTA	ACTITC CCAAGAGGAA AGGATTITT 240	0
25	TCCCATCCCN NNTTGTATGA ATGGAGTTAT TTAN	GAAAAA ANGATATTTT TACACGAAAC 300	0
2.5	TTTGTAAGTG AAAGCTGCTT TTTCCTTCCT TTCC	TTTCCT TTTACCTCCA TAAGGAATAG 360	0
	GGAANGTAGG ACCAAGANAN AATTGAACTC CTTC	CCATTT TCTAAATAAA GGTTTTGGGG 420	0
	GAAA	424	4
30	SEQ ID NO:3426		
	SEQUENCE LENGTH: 422		
	SEQUENCE TYPE: nucleic acid		
	TOPOLOGY: linear		
35	CLONE: HUMGS04034		
	SEQUENCE DESCRIPTION:		
	GATCTCNGAG CTACAATACT CACTANATAT ANTT	TTCCAA TCAAAATATN CTATTCTATA 6	0
	TTCTAAGGGT TAATATGTGA TTATAGTGTC CACT	TGCCAC CATTTTTTTA AATCAATGGA 12	0
	CTTGAAAAGT ATTAATTTAG ATGGATGCGC AGAT	ATACCC TCAGTTCAGT CATAGATTGG 18	0
40	AGTTTGCATA TAATANNNCN CCGGTATGTN GACA	CTATTC TAAATAGTTC TATTATGACT 24	0
	GAAATTTAAT TAAATAAAAN NGGTTGTAAA ATGN	GATGTG TATGTGTATA TACNGTATGT 30	0
	GTACTTTTTA AAATAGGGTG TATGTCCCAA CCCT	TTTTTA TACAGGTNTG AATTTAAAAA 36	0
	TACCATGGTT ATATACATAT ACCTNGNNTT NGTC	CTAAAA TAAAGGNTTT TNATGCACGC 42	0
45	NN	. 42	2
	SEQ ID NO:3427		
	SEQUENCE LENGTH: 408		
50	SEQUENCE TYPE: nucleic acid		
	TOPOLOGY:linear		
	CLONE: HUMGS04035		

	SEQUENCE DESCRIPTION:					
	GATCTTTCCA CCTCAGCCTC	CTGAGTGGCT	GGGACTACAG	GTGCATGCCA	CCAAGCCTGG	60
	CTAACTTTTT GTAGAGATAG					
5 ·	TTCAAGTGAT TTGTCTGCCT					
	TGCACCCAGT CCATGCTACC					
	TTCAAAACAT ATTATTTGAA					
	AANACCINGT TITCCAAACT					
	ACTINGGIGN GGGGAAAAAN					408
10						100
	SEQ ID NO:3428					
	SEQUENCE LENGTH: 378					
•	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS04036					
	SEQUENCE DESCRIPTION:					
	GATCTTAGCT TCTTTAATCA	GACTTTGTGA	CTTAAAAGTT	TGGGGGTTTT	CTTTGAAAGT	60
 20	TTCCAGCCCT ATTCAGAAAG					
. .	AGGGGTAAGT AAACAAAGTA	TGGATGAAGG	TCAGATTTTN	TTGTCANNNT	CTGAGAAACC	180
•	TGGCAGCCTG CTGTTAACAA	CACAGGCCAG	TATTGGGTTT	TATTGAATTT	GGTATGTGAC	240
. •	CAAGGTCGGC CTAAAGGATG					
	TAACTGTAAT ATTTGGTTGC					
25	ANTTGTGTTA ACCTCAAA					378
	SEQ ID NO:3429					
	SEQUENCE LENGTH: 376					
30	SEQUENCE TYPE:nucleic	acid			•	
	TOPOLOGY: linear			•		
	CLONE: HUMGS04037					
	SEQUENCE DESCRIPTION:					
	GATCACAACA CCAGTACCAG	CACGAAGAGC	CTCCTCCCGA	AAGAGTCTCG	ACTGGACACC	60
	TTCTGGGACT AGCAGTGAAT	CGGGACACAA	ACCACCCACC	CCATTGGGAG	AAAAACCCAG	120
	ACGCCAGGAA AAGAAGAAAC	AACAAAGGCA	GGAGAACAGC	CACTTTCAGA	CTTGAAAATG	180
	ACAAAACCCT CAGTTGAGCC	TGAGCCCCCG	GCGCGGGGC	TGCTACACTA	CAGGACACCC	240
	AGCATCGGCT TTGACTGCAG	ACTGTTCACC	CACACGAGCC	CTGTGCTTTT	GGTGTAAATA	300
10	ATGTACAATT TGTGGATGTC	ATTGAATCTA	GAGGACTTTC	CCCTTTTTAT	ATTTGTATTA	360
	ACTTTAACTT ATTAAA					376
	SEQ ID NO:3430					
15	SEQUENCE LENGTH: 368	•	٠			
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS04039					
	SEQUENCE DESCRIPTION:					
50	GATCAAGCTT GTGTACTTGA	CCGTTTTTAT	ATTACTTTTG	TAAGTATTCT	TGTCCACATT	60

55

CTACTTCAGC TTTGGATGTG GTTACCGAGT ATCTGTAACC CTTGAATTTC TAGACAGTAT 120

5	TGCCACCTCT GGCCAAATAT TGCTATAGTG TATACCACCT NCAATCACTA TTCTTAAGCA AATGGTTGGG ACAATGGCAA TTTTTTAN	GTACATACNN CTTTGAAAAT	NGTATAGGCC ATNNCTATGT	ATCTGTAAAT AANTNATTGT	ATCCCAGNGA AAACTTTTTC	240 300
10	SEQ ID NO:3431 SEQUENCE LENGTH:374 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4040	acid				
15	SEQUENCE DESCRIPTION: GATCAATCTC AATTCCTTTT TTAGCCATCA GGTACAGTTT TGAGGCCATT CTTCATCCTT TTTGTGAATC TTTCCCCCCA	ACACTACAAT AGGATGTGGC	GTAAGCTATA AATGAAATNN	GGTGGAGCAT TGGTGCAAGT	CAGCAGTGAG TCCTTTCTCT	180
20	NGCCTTCTGT CCAATCAGTT CTTGTTTTGC GACATTNNTC ATAAGGCTTA CAAA	CTTTCCTCTG	AGTGAGACGT	ACTTGGCTAC	AGATTTCTGC	300
25	SEQ ID NO:3432 SEQUENCE LENGTH:369 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4041	acid				
30	SEQUENCE DESCRIPTION: GATCCTGGAG AACCTAAGAC AGGCGGTGTC TTTAATATTN GCAACTGGTC ATCGATGGAG	CTAATTTGGA	CCGACTAGGC	AAATCANAGG	TGGAGCTGGT	
35	CCAGGATATC CGCATCCCA GCTGATGACT CAAGATTCCA TCTGGACCTG NCCTNGNATC TGATGNAAA	AGGAGTTCTG	CTCATTCTAA	TGGTGGGCCG	TTCTACTTGN	300
40	SEQ ID NO:3433 SEQUENCE LENGTH:358 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04042	acid				
45	SEQUENCE DESCRIPTION: GATCGTGGGG TTGTTGGCAG CCAGATTGTC CAGGAGCAGG CTCCTGGCTG CTGAGATGTC CAAAGCTGTT CTCCAGTCTG	AGCTGCTGGG GTCTGTGACT	ACTGCGCTGG GGCCTGGCTG	CCCCGGACCT GAGGGGGAGT	AGTGGGCCTT GTTGACAACC	120 180
50	GGACGCTGCT CTTAAAGGAC					

	GAIGCIGIAI GACCICCCTG	AAGNACCCGT	GACTTCCCCA	TGNTTTACCC	TTTTGTGN	358
	SEQ ID NO:3434					
5	SEQUENCE LENGTH: 354					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04044					
10	SEQUENCE DESCRIPTION:	10000011101				
	GATCTAGAAA GCAACTTGGA					
	ACTGGTGGGT CCATGGCCCT TCATCTCCCG AAATGCAGTT					
	TAAGAAGGTG CAATCCTAGA					
15	ATGATGCCTT GGGGTGGGGA					
	GAGTTGCTTA TGCCACTTCC					354
		-1011010101		00011111101	11001	JU 1
	SEQ ID NO: 3435					
20	SEQUENCE LENGTH: 354					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04045					
25	SEQUENCE DESCRIPTION:					
	GATCATTAAT GAGGAGCTGA					60
	CCGCACTGAG CCCACTGCCC CCTGGTGGAG AACAACGAAC					
	CCGAGACCAG AAGGACGGCT					
30	NCAGCAGCAG TNTCAGACGG					
	AACCTTGAAG TCCTAAACCA					354
	SEQ ID NO:3436					
35	SEQUENCE LENGTH: 350					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGSO4046 SEQUENCE DESCRIPTION:					
40	GATCTAATTT ATTTATTTAT	TGCCTGGCCG	CTCACTCCCC	CCACCACCC	ACCCTGTCAT	60
	CTGTCCCACC TGCTGCTGCC					
	CAGTNTGAAA GTACGTGGAG					
	ACCGTNTCCC AGCCAGGGCA					
45	TGCACAGCTG CCACAGGGAG					
	GGTNGAGTGC ACANANTTGC					350
	SEO ID NO. 2422					
	SEQ ID NO:3437 SEQUENCE LENGTH:348					
50	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	acru				

	CLONE: HUMGS04047					
	SEQUENCE DESCRIPTION:					
	GATCTTGAAT CTCTTTCTTT					
5	AAAAACAACA AAAAACTCTG					
	CATTTCAAAT TCACCCTACA	TTCCTCTCCT	CTTCACTAGC	CTCTCTGAAG	GTGTCCTGGC	180
	CAGCCCTGGA GAAGCACTGG	TGTCTGCAGC	ACCCCTCAGT	TCCTGTGCCT	CAGCCCACAG	240
	GCCACANTGA TAATGGTCTG			-	NTTATAATGA	300
10	AGATACACAC TATANCTACA	AGAAATTATA	AATGTTTTTC	ACATCAAA		348
	SEQ ID NO:3438					
	SEQUENCE LENGTH: 347					
	SEQUENCE TYPE:nucleic	: 4				
15	TOPOLOGY: linear	aciu				
	CLONE: HUMGS04048					
	SEQUENCE DESCRIPTION:					
	GATCTGAGCC ACCCTCCCCG	CACACCCCTC	CACCCCCCC	ር ተ	CACNCTCANT	60
20	TGGCCCCTGG CAGAGGAACA					
20	AGGGAGAGGA TGGTTGTCCC					
	GAACAGGGAG TCCCAGGACC					
	TTCCTGGGGT GGGAGGCACA					
	GGTGCTCTCT CCAGGNCCAC				AGGIGGIGCI	347
25	ddiddididi ddaddadac	CATUCIOUA	UNUUCUUCCA	GAGCTIN		241
	SEQ ID NO:3439					
	SEQUENCE LENGTH: 346					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUMGS04049					
	SEQUENCE DESCRIPTION:					
	GATCTTCCCT GGNGGCCTTC	GGCTGCNTGC	NTGCCTGAGG	TCCCNGCTGC	CAGTCCCGGG	60
35	CCCTGGAGAG CAGATGCTGT	CTTGTNATGT	ACAGGAGGAC	CTTTTAAAAA	AATCAAGTTT	120
	CTATTTTTN CTGGTAGTCC	GCATACCCAT	ACCCTCTGTT	TTTNAAAGGC	AAAGGCCAAT	180
	NAGTCCCCAT TTGTAGCATG	GCACCAGGGT	CTTAGGCCTA	GTCCTCTCAT	TCCTCCCACC	240
	CTCCGAGATG GTCAGTGTGT	CATGGGAAGC	CCACCCCCAG	CTCTGCCAGT	GCTCTCTGGG	300
40	CCTGGNTCCN AGTCAGTGGT	GGCCACGATG	CGGTACAGGG	CATCCN		346
40						
	SEQ ID NO:3440					
	SEQUENCE LENGTH: 343					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear					
	CLONE: HUMGS04050					
	SEQUENCE DESCRIPTION:					
	GATCCATGTG ATTATTAAAA					
50	GTATAAGANC TCATGTGATT					
	ATATACCAGC ACTACTAATT					-
	NTTTCACTTG CATTAAGTCT	AAACTGAGAA	GGTAATTACT	GGGNGGNGAN	TGAGCAGCTT	240

	TGACTTTGAC AGGCGGTTTG TGCAGGAAAG CACAGTGCCG TGTTGTTTAC AGCTTTTCTA 30 GAGCAGCTGT GCGNCCAGGG TAGAGGAGTG TNGAAATTCA TTN 34
5	SEQ ID NO:3441
	SEQUENCE LENGTH: 340
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
10	CLONE: HUMGSO4051
	SEQUENCE DESCRIPTION:
	GATCTGCTCA GAAAGGAAGA GGCAGGCGCC AGGGGGAACC CCCTTCGTGT TTTGTAACCC 6
	TCCCTTTNAG GTGAAGCCCT TTTTCTTGCT AAAACCGGCA ATTCTCCGGT TAGAAATNTT 12
15	ACTTGGTGTT TTTTGGTTTT GTGAAACGGC CGTCCCAAAG CTGGCTGGAT TCCTAGAAGA 180
	GTCTGTGTTG AAGGCATCTT TCAAGCCCTC GCTCTGGTTC TNAGGGCAGC ATTTTCCAGG 24
	CGGGTTTGTT TTGCATTTCT TGGAGCCTCT CCGNGNAGCA ACCAGACGGG AGATTTTAAT 301 TTTAAGCTGT TCATGCTGGG NCTGACAGCC TGCAGGGTTN 34
	TITAAGCIGI ICAIGCIGGG NCTGACAGCC TGCAGGGTTN 340
20	SEQ ID NO:3442
	SEQUENCE LENGTH: 339
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
25	CLONE: HUMGSO4052
20	SEQUENCE DESCRIPTION:
	GATCCTTGGG CTGGCCTAGA ACCAGTATCT GTAGTGGATA TAAGCCAACA ATACAGCAAT 60
	ACTCAAACAT TCACAGGCAA AAAAGGAAGA TACTTTTNTT AACATTTCTG AAATTCAACT 120
	GGAAGCTTCA TGTGTCAGGA ACATCTTGGA CAAAACTTTA NGTTGTGTTG ATATAAATTT 180
30	ACCCAAAGAT GATGNCTTTG ATTGGNTAAT TAGTAAGGTC TTTTTGTTAT TTTNCATCGT 240
	ATCAGGTATT GTTGATATTA GAGAAAAANG TAGGATAACT TGCAACATTT AGCTCTGGAA 300
	GTACCTACCA CATTTINGAG ATTTACCGTT TCCATATTN 339
	SEQ ID NO:3443
35	SEQUENCE LENGTH: 339
	SEQUENCE TYPE:nucleic acid
	TOPOLOGY: linear
	CLONE: HUMGS04053
40	SEQUENCE DESCRIPTION:
	GATCTGCCGT TNATGTTGCT TTCTCCTTTG TCCTCTTGGA CTTGAGGGCA TTGTGAAAAG 60
	CTTTGCTGTG ATTTAAAAAT GCCAGCAATT TTAATCTAGC AGTGTTGAAG CTGGGAATTT 120
	TTTGGCGCAA TCCATGTAGC AGTGACCCAG GCTTGGGAGC CAGAAACAAG TGTGACCTGG 180
45	GATTTNATTT AACACAACTG TTGCCAAAGA GTTGGCTTTG TTTATTTGGT TTTGGCGGGG 240
	AGAGGAGTGG TATTTNATGC TTTCTGTGGA CANTGTAACC CTAAACACAN CANGTATTTT 300
	AANTGCCACC TACATAANTA AACCATANGC NTATTGAAA 339
	SEQ ID NO:3444
50	SEQUENCE LENGTH: 339
	SEQUENCE TYPE: puchaic acid

5	TOPOLOGY: 111 CLONE: HUMGS SEQUENCE DE: GATCTACATA A CACAGTTACT C TGTTCACTGA A TAATGAAATG TATGTTTCTG	04054 SCRIPTION: AAAACTGCTA CACTTTGTGT AGTCTTTCAA GATTTCCCAG TGCATGTTCT	AATCTGAAAT TTGAGCTGGT TAGGGGTTTC CTACACAATT	CTAGCTGCTG TGAATACTTT TGCATATCAC GTAAGGTGNC	AATACGCTGA GAAAAATGCT CTGTATAGTA	AGTAAATCCT CAGTTCTAAC GTTATATGCA	120 180 240 300
15	SEQ ID NO:34 SEQUENCE LEN SEQUENCE TYP TOPOLOGY:1ir CLONE:HUMGSO SEQUENCE DES	445 NGTH:334 PE:nucleic near 04055		IIGGIIAAA			339
20	GATCAGCCTC 1 TGTATAGTAC A CATTGTCCCA A	TTCCTCTATA ACTCTATAAA ACAAATGTTT	TGTAAATGTA ACTTTTATAA	ATGCTTGTCT TCGTTATGAA	AAAAAGTGCA CTTGAATTGG	ATTTATTGTA ATTAGTATCT	180
25	TGTTTTTATG 1 GTGACTGTTT 1 TAAGCAGTAA 1	TTGTGAGCCA	GTGATGTTTT	CAATGCTTTG			
30	SEQ ID NO: 34 SEQUENCE LEN SEQUENCE TYP TOPOLOGY: 1 in CLONE: HUMGS(SEQUENCE DES	NGTH:334 PE:nucleic near D4056	acid				
35	GATCCAAGAA (CCTGAGCAGN 1 TGGGGGGACA (CCTCTTGCCC (GCGGGTCCCT TCCAAAGCAC GGACAATTTC	TGGCTTGGGG TCCCCCTCCA	TCCGAGACCT GGGGCTCCAG	TCAATGTAAA GACTCTCCCT	GCAGGCGGAA GGGGGGCCCA	180
40	CTGCTCCGTG (GGAAGTGGAC (GGTAAATNAT	GAGAAATAAA	300 334
4 5	SEQ ID NO:34 SEQUENCE LEI SEQUENCE TYI TOPOLOGY:1ii CLONE:HUMGS6 SEQUENCE DE	NGTH:332 PE:nucleic near 04057 SCRIPTION:					
50	GATCCAATCT (GACCCCAATG (GAGCTGTTCG A	GCAACATCAC	CCACTACCTG	GTTTTCTGGG	AGAGGCAGGC	GGAAGACAGT	120

	GCTGTTGGCC CTGCATTCAA	GTAACCAGAA	CCACCCGTGA	GAGCTGCCAC	CAGGTANTGT	240
	CACTCGAAGC TTCCTTTTTT	TTTTTTTNA	ATTCCGGAAA	GTTTAANTCT	GTANTCCCAG	300
	GGGNCCATTT AAANANGGTT	TNTTTTTGTA	AN			332
5						
	SEQ ID NO:3448					
	SEQUENCE LENGTH: 332					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY: linear					
	CLONE: HUMGS04058					
	SEQUENCE DESCRIPTION:					
	GATCCAAAAA AAGCTNGAAG	CCTACATTTC	CCAGAGCCCC	TTTCAGCTTG	AATTCCAAAT	60
	GTGACTTAGC TTCCTCTATG	CAGATGTACC	TACTTGAAAC	TGGGAAGGCC	AAATNAGATA	120
15	GAGGNAATNT TTCTGCCAAC	AAACAGCCAC	AGAGCATTTT	ATTTTTCTAG	AAGAGCAATA	180
	ACAGAGACCC CAGGGTGTGG	TGTGGCAGGA	CGAGGAGCAT	CCATTTTGCT	GGNGGGGATT	240
	GTGGCTAAAA TAATGNGGCT	CTGGAGCCAG	CAATNGGCAG	CATCTTCATG	ACTTTCCAGN	300
	TTCCAGGCTG TAAGCAGAGA	TAGCATCTCT	TN			332
20						
	SEQ ID NO:3449					
	SEQUENCE LENGTH: 326					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear					
20	CLONE: HUMGS04059					
	SEQUENCE DESCRIPTION:					
	GATCCACTAT ATGCCTCAGC					60
	ATACGGTGTA ATAAGCATCT					
30	GTCATATTCA TTCAGATTTA					
	GATATACATT TTTAAATATT					
•	AATTTATATA TTGCACATTC	TAGGGAATAA	TATTGATTGT	ATGNCTACTG	TGCTGCATTA	
	AGAAAATAAA ATTCCTATAT	NCCAAA				326
35						
	SEQ ID NO:3450					
	SEQUENCE LENGTH: 329					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear					
40	CLONE: HUMGS04060					
	SEQUENCE DESCRIPTION:				0000004000	
	GATCAGAAAA ACTGAAGATG					
	TGTNTCCTGA GCCCGTTTCA					
45	CAACACCATG TGGTCTGGAG					
	CACCAGACTT GGGAGCCCAA					
	TTTCCTNGCA ATTGGTTTGN			CCCIGIIIAC	CCGATGRANG	329
	GGAAATAAAG GCCCTTTTGC	CTCCTGAAA				329
50	CEO ID NO.2451					
	SEQ ID NO:3451					
	SEQUENCE LENGTH: 325					

5	SEQUENCE TYPE:nuclei TOPOLOGY:linear CLONE:HUMGSO4061 SEQUENCE DESCRIPTION GATCTGGCGC TTCTACTTT TCCAGACCAT CCTATACTG AGAAGCTCAG TTTGCCAGC GCTCGGACAG ANTTNTTACC CTTAACTCTT TTGTTGCAG	: G AGGGCTTCTT F GACTTCTTCT A TAAGTGCCAA C ACAGCAANGG	ACTTGTACAT AGGCCATCAC CATAAGGTGC	TACAAAAGTA CAGCATCTGT TTTATACGGA	CTCAAGGGAA CCTTCAGGGT AANTCAGNAA	120 180 240
15	CNGGAGGTTT CTGTTTAAT SEQ ID NO:3452 SEQUENCE LENGTH:324 SEQUENCE TYPE:nuclei					325
20	TOPOLOGY:linear CLONE:HUMGSO4062 SEQUENCE DESCRIPTION GATCTGATTT TATGTTCGT. TTTATATCTT TCCAAGGCA	A ACTTTCTGTA				60 120
25	GATTITCAAA TACATCACA CCCTTGCTAC CGTCCTTAT AATGTAATCT GAGCACTTT TACATTTTGA ITAAAATTA	T TAAATNATTT N TNGTATTCTA	CCATTCTAAG	AGATTTTNGT	NATTTNNNTA	240
30	SEQ ID NO:3453 SEQUENCE LENGTH:339 SEQUENCE TYPE:nuclei TOPOLOGY:linear	c acid				
35	CLONE: HUMGSO4063 SEQUENCE DESCRIPTION GATCTGGAAG ACAGACGTA AGTTGGGAAG GAGGCAGTG AAGCTCNNTG TGGGCCCGC	C AGCTTGGAGG G CAGAGGGGTG	AGGGACAGGG	GCCCTTAAGT	CCAGCGAGGA	
40	AGCTCCCTCC AGCCATCAG AACCCCAAAT CAAGACCAC TTTGTAAGAA ACATTCACA	C AGCCTCTTGT C TTTCTTCACG	CAAGCTTCTG GTCACTATTT	CCTCGCCCCA	GTCTATCCCC	240
45	SEQ ID NO:3454 SEQUENCE LENGTH:317 SEQUENCE TYPE:nuclei TOPOLOGY:linear CLONE:HUMGSO4064					
50	SEQUENCE DESCRIPTION GATCTCAATG CTGTCTGGG TTCCAATGTN TGATGTTCC	G ACCCTGAAGA				

	AAGGTCAGNT TGGTGCTTGA	GGTCTCCNTG	CTCTTGGTGG	CAGTGGTAGC	AGCAACAGCA	180
	GCAGCAGCAG CAGCAGCAGC	AGCAGAGACC	TNTCCACTTT	CCCTTAGCCC	TNTGNTGGGT	240
	AGAGGGAACT TAAGGGACTT	CCTCCAGNNG	CNTTTAATNT	GGGAATGGGT	AAGAAGGTTG	300
5	NGCTCCNCTG TTNGTTN					317
	SEQ ID NO:3455					
	SEQUENCE LENGTH: 315					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04065					
	SEQUENCE DESCRIPTION:	101001TT0T	CT 1 T 1 CTC 1	T0+0+++T00	077010710	
15	GATCCTCAAA AAACCCAAAA GCTTGTTTTT NATTTNCCAG					60
	TTTACAGGTA ACTTTCAAAA					
	TTATGATTCC TGTATTATTT					
	AAAAATGTGA GTTTGAATTA					
20	TNTNATGAAA AAAAN	0.100.110141	ocomit inon	AMICOIDIT I AM	NUMITIALI	315
						010
	SEQ ID NO:3456					
	SEQUENCE LENGTH: 312					
25	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS04066					
	SEQUENCE DESCRIPTION:					
	GATCTGAGGC TGTGTCTCTG					60
30	ACCNTTNTCA CCAGCACTAA					
	CCGTAGTATA AGCCTAACAA					
	GCAAGCTGGT GAAACCACTC					
	GCCAACNTGT AAAAAGTGGG ACATACCAGT TN	TIGATTGCTG	ACAGNATGGT	CTTCCTTCCC	TGGATTTNAG	
35	ACATACCAGE IN					312
	SEQ ID NO:3457					
	SEQUENCE LENGTH: 309					
	SEQUENCE TYPE: nucleic	acid				
40	TOPOLOGY: linear					
	CLONE: HUMGS04067					
	SEQUENCE DESCRIPTION:					
	GATCTTTCCG GGGCCTACAG					
45	AGTGATGGGC AGGTTCGGCA					
	ACGAACTCGG CTTCTTTGT					
	GCCCGGGATG GCAAGGGCAC					
	TGATGATGGA TTTTATTTCA	CTCACACTCC	AGTTTGTAAT	AAAATGCCAA	ATTCTGTCAG	
50	CTATCCAAA					309

55

SEQ ID NO:3458

	SEQUENCE LENGTH: 309					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS04068					
	SEQUENCE DESCRIPTION:					
	GATCAGCACC ATTTGTGGTA	TGTTCCGTGA	TGAGCGTTTA	GTGAGCCTNN	TEECTECAGA	60
	GCACTATGAA ATCATGGTAC					
	AACTGTGGTT TGAAACTGCG					
10	TTTCCCTTNN GTATACTCAT					
	GGAACACGGT TTCCAGTGGC TGATGGGGN	1110000001	ACICUGUAAA	CUICIGCCIG	TICICGAING	
	IUAIUUUN					309
15	CEO ID NO.2450					
	SEQ ID NO:3459					
	SEQUENCE LENGTH: 308					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
20	CLONE: HUMGS04069	•				
	SEQUENCE DESCRIPTION:					
	GATCTAGCTG GTCACGACGA					60
	GGTTGAAGTT TGGTTTGGTT					
25	TGCACCTTTN ATACGGTATT					
	GTCTGTGGCT TAATAATCAT					
	GAAACATACC TTAAGTTTTT	TTTGTTTTGT	TTTTGTTTTT	TTGTTTTTNG	TTTTCCTTTA	
	TGANGAAA					308
30	SEQ ID NO:3460					
30	SEQUENCE LENGTH: 351					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acıd				
	CLONE: HUMGS04070					
35						
	SEQUENCE DESCRIPTION:					
	GATCAAGCAG AGAAANTAAT					60
	NCATAATTNT TNATTTGAAA					
40	GAAACTTTTT TCCTTTTAAG					
40	TGNACAAAAA TTGAGACATT					
	CTATTCATGG AGTATTTNTA					
	CTGCTCTNTG TATAGCANGG	NNNGGGTTGG	GGGGGCGGGN	GGNGGGGGGG	N	351
	SEQ ID NO:3461					
45	SEQUENCE LENGTH: 305					
	SEQUENCE TYPE:nucleic	acid				
•	TOPOLOGY: linear	aciu				
	CLONE: HUMGS04071					
50	SEQUENCE DESCRIPTION:					
	GATCAGATAG TTTCCTGAGG	CT	<u> </u>	AAACACTCON	1011000001	c c
	OUTCOUNTING LITCOLDAND	CINNNAIUU	CONMONIULA	AAAGAC I GCN	ACAAUUUIIA	60

5	ATGAGCCAGG AACTGCGGAT GTACCATAGG ATTCTTTTGC TATTAGAGTT TTTANTGTTG ACGTTGANGA AATTACATCA CTCTN	ATAACTGTAG ATTGGAAAAT	AAAGTACAGA GGGAGATTCA	CAACACCCTC CTGTGTGCCA	CCGTGTTTGC TTCTTGGTAT	180 240
10	SEQ ID NO:3462 SEQUENCE LENGTH:303 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04072 SEQUENCE DESCRIPTION:	acid				
	GATCAAGCTA CAGATATGGG CTACTACAGA GGCGCAATGG TGAAAACATC AGCAAATGGC AATGTTACTA GGAAACAAGT	GTATCATGCT TTAGAAACAT	AGTATATGAC AGATGAGCAT	ATCACCAATG GCCAATGAAG	GTAAAAGTTT ATGTGGAAAG	120 180
20	TGANCAGATT GCNNGGGAGC AAN	ATGGTATTAG	GTTTTTTGAG	ACTAGTGCAA	ANGCNGGTAT	300 303
25	SEQ ID NO:3463 SEQUENCE LENGTH:303 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGS04073 SEQUENCE DESCRIPTION:	acid				
30	GATCCGGTCA TACATCCACA GCAGATTACT GCACGGGCAA GGGGATTAGA AAGAACTCAA ACCAACAGGG CTTAAGCCCA TTTTNCTTTC TCTGACTTGT	CAAAGGATGG GACACTCCTG GACTTGACGT	GACTTTTGTC CTTGATACAG AACAGAAATG	ATTTCAAAGA AACAAAAAGA TGCCAATAGG	CATGATGTAT GCTTAACAGG TAATAGGTAA	180 240
35	AAA	11101111111	IGAAAIAACA	CIGIIGIGIG	UCIAUAAAUU	303
40	SEQ ID NO:3464 SEQUENCE LENGTH:348 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUHGSO4074 SEQUENCE DESCRIPTION:	acid				
45	GATCTACTTT CACATTCTCA AGGTTCCAGC GTGCCCCTCC TGAATCACGA GAATGTGGAG GACCAGTTGC TGGTGAAACT	CTCAGACACA GGGTGGGGGG GGGCCAATCT	CGGACACAAT TGTCAGTGGA GGGGAGGGGA	CAGCCGAGAA AAGGCATAAG ACATCCTTGC	GTTCCTGGTC GCTGAGCTGA CAGGGAGTTT	180 240
50	CTGAGGGTCT GCTTTGTTTA CGTTTTGTTA GAAATGTCAG				GTCTACCTGG	300 348

	SEQ ID NO:3465					
	SEQUENCE LENGTH: 299					
	SEQUENCE TYPE: nucleic	acid				
5	TOPOLOGY: linear	2014				
	CLONE: HUMGS04075					
	SEQUENCE DESCRIPTION:					
		ጥጥርጥህ አጥር አ	CCTCATCAAA	1117111619	******	
	GATCTGACCT GGTGAGATTA					60
10	TCCAGGTGAG GGCTTTGAAA					
	TTGGGCACTG CCATGCAGAG					
	AGGCGATGGG GCAATGACAG					
	GNGGGTNGGT TGTNATGGCC	NTGGCTTTTT	NAGTTGGGNG	NCATTTANAT	TAAGGTTTN	299
15	CEO ID NO CACC					
	SEQ ID NO:3466					
	SEQUENCE LENGTH: 415					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear		•			
20	CLONE: HUMGS04076					
	SEQUENCE DESCRIPTION:					
	GATCTACGTN ATCTCAGGGC	AGTTCCTACA	GATGAAGCAA	GAGCTTTTNC	AGAAAAGAAT	60
	GGTTTGTNAT TCATTGAAAC	TTCGGCCCTA	GACTCTACAA	ATGTAGAAGC	TGCTTTTNAG	120
05	ACAATTTTAA CAGAGATTTA	CCGCATTGTT	TCTCAGAAGC	AAATGTCAGA	CAGACGCGAA	180
25	AATGACATGT CTCCAAGCAA	CAATGTGGTT	CCTATTCATG	TTCCACCAAC	CACTGAAAAC	240
	ANGCCAAAGG TGCAGTGCTG	TCAGAACATC	TAAGGCATTT	NTNTTCTCCC	CTAGAAGGCT	300
	GTGTATAGTC CATTTCCCAG	GTNTGNGGAT	TTAAATATAT	TNGTAATNCT	NGGTGTCACT	360
	TTTGGTGTTT TATNACTTCA	TACTTATGGN	TTTTTCCATG	NCCTAAGNCT	TTTTN	415
30						
	SEQ ID NO:3467					
	SEQUENCE LENGTH: 295					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
35	CLONE: HUMGS04077					
	SEQUENCE DESCRIPTION:					
	GATCCACCTT CTTCCTTAGG	TOCOUTOUTO	CATCAGCAAA	GGAGCACTTC	TCTAATCATG	60
	CCCTCCCGAA GACTGGCTGG					
40	AGGTCAGTTT GAAATTGGAG					
	CAGGAGTCCA GCCGTCCAGC					
						295
	GNCTTCTCTG GTGACAGAGG	CTCAGCTGTG	GCCACCAACA	CACAACCACA	CACAN	295
45	SEQ ID NO:3468	•				
73	SEQUENCE LENGTH: 292					
	SEQUENCE TYPE:nucleic	arid				
	TOPOLOGY: linear	001U	•			
	CLONE: HUNGS04078					
50	SEQUENCE DESCRIPTION:					
	GATCAAAGCA CTGGGCTTGT	CCACCCNCAT	AATAAATGCT	CCATTGAANG	ΤΔΟΤΔΤΤΟΤΝ	60
	autounded cinnociini	CONGGCHONI	TODIANTAL	OUT TOWNING	INCINITOIN	UU

	GTTTTCCACT GCTGTGGAAA	CCTCCTTGCT	ACTATAGCGT	CTTATGTATG	GTTTAAAGGA	120
	AATTTATCAG GTGAGAGAGA	TGAGCAACGT	TGTCTTTNCT	CTCAAAGCTG	TAATGTGGGT	180
	TTNGTTTTAC TGTTTATTTG	TTTGTNGTTG	TATCCTTTTC	TCCTNGTNAN	TTGCCCTTCA	240
5	GAATGCACTT GGGAAAGGCT	GGTTCCTTAG	NNNCCTGGTT	TGTGTCTNTT	NN	292
	SEQ ID NO:3469					
	SEQUENCE LENGTH: 291					
10	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS04079					
	SEQUENCE DESCRIPTION:					
15	GATCTCTTAA GAGATGATGG					
	GTNGTTCATG AACATATTGA					
	TTTTATTTAC GTCTAGGTCT					
	TTATAAATAT GTGATGTGTA					240
	TGTGGTTTTG GAGCAAAGAN	CAATGTCATT	TGAGTTATCT	AAATCTACAT	N	291
20					•	
	SEQ ID NO:3470					
	SEQUENCE LENGTH: 290					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear					
	CLONE: HUMGS04080		•			
	SEQUENCE DESCRIPTION:					
	GATCTTTTGA TTCCTCTTGG					
30	GGGGAGCCTG TATTTTTTT					
30	TGCTGCCAAC TTCTAACCGC					
	ATGGAATGTT GTGGAGATGA					
	GTCACGGCTA CTCATGGAAG	CAGGACCAGT	AAAGGGACCT	TCGATTAAAA		290
35	SEQ ID NO:3471					
	SEQUENCE LENGTH: 287					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
40	CLONE: HUMGS04081					
40	SEQUENCE DESCRIPTION:					
	GATCCAAAGT CCTGTGGTTA	ACGCCTTCAT	TTATAGATGA	GGCAGCTGAG	GCCTGGGGAT	60
	GTGAACAACC TGCTCACAGT					
	TGCCTTGGGG CGTGGAAGGG					
45	AAATGTCAAG GAATGAAGAA				ATTATTTATG	240
	TGAAAGTCAA ATTCATGTAC	AGTAAATTTG	TTATAAGAAT	ATTCAAA		287
	SEQ ID NO:3472					
50	SEQUENCE LENGTH: 287	. •				
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					

	CLONE: HUMGS04082					
	SEQUENCE DESCRIPTION:					
	GATCCAAAGT GCAAGGNTTT	GATTATAAAC	ATAATTTCCT	AGACTGAAAG	TTTTTGGAAA	60
5	AGATGCAGGG TCTGAGTCAG					
	ANACTETTGA AAACTEATGT					
	CCTTAATAAT TTAAAATGAC					
	ATTGTAAAAA GGAAATAGTG					287
10						
	SEQ ID NO: 3473					
	SEQUENCE LENGTH: 278					
	SEQUENCE TYPE: nucleic	acid				
15	TOPOLOGY:linear					
	CLONE: HUMGS04083					
	SEQUENCE DESCRIPTION:					
	GATCTGTTTG TCACTGACAG					60
	AGTAAAATTT GGGTGTTGCC					
20	CTTTCTGATT GTATCCATTG					
	TGTCTAACAA AGGAAGGAAT			TTTATAGGGG		
	ACTATGATTT TAAATAGATA	TTTCTTATAT	AANGGAAA		•	278
	SEQ ID NO:3474					
25	SEQUENCE LENGTH: 278					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04084					
30	SEQUENCE DESCRIPTION:					
	GATCCCAACA CTGAAGGGGT	AGAAGGCCAG	GGGGGCATGG	AGAGTGCAGC	TCCATTATAG	-60
	TGAAGAGCCA AACATATGTN					
	ATCTTCATCT CTAGCACCTC	CCCTGCCAAG	AGTCAACCAC	TAAGCAATCC	CACCCAAGCC	180
35	TGGATGCTTC TAGAGGGGCC	CACTCCCAGC	TGGGAGAGTN	TAGGGGATAT	GCTCACACCA	240
	CATTAGCAGC AACCAATAAA	AATGCTGGAA	ACAAGAAA			278
	SEC ID NO 0455					
	SEQ ID NO:3475					
40	SEQUENCE LENGTH: 277 SEQUENCE TYPE: nucleic	: 4				
	TOPOLOGY: linear	acia				
	CLONE: HUMGS04086					
	SEQUENCE DESCRIPTION:					
45	GATCTTAACT GTGTCATTTG	AAACCCTGTG	CGTTTGAAGT	GGTGGAGACA	GGACCTTTAT	60
-	CATATTCTGA GCTTTAAATA					
	AAGTCCCAGA ACGCGTTTTG					
	TATCACTGCT ATTGGATGGG					
50	CACTATTCAA TGATTAAAAT					277
730 6						

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SEQ. ID NO:3476

	SEQUENCE LENGTH: 273					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUNGS04087				-	
	SEQUENCE DESCRIPTION:					
	GATCTTTCCA AATACCCAAA	TGTCCCTGCA	AGCCCGTTAA	ATAATTCCCT	ATGCTACCCT	60
	TAATAACATA CAATGACCAC					120
10	ACTCCCCAAT ACCTAATAAG					
10	AAAACTCAAA ACACCCAAAA					
	ACCCACAATA AACTCGTGAC				***************************************	273
	SEQ ID NO: 3477					
15	SEQUENCE LENGTH: 272					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear			A		
	CLONE: HUMGS04088					
20	SEQUENCE DESCRIPTION:					
	GATCCTCTCN ACCCTCCTCT	AGCCATCCCT	TGGGGAAGGG	TGGGGAGAAN	TATAGGATAG	60
	ACACTGGACA TGGCCCATTG		•			
	GGTGGCTGCN CCCCCAGCTT					
	CTGGGGGTGA GGNGGACAAG	AAGGAGAGGA	AAATNTTTCC	TTGTGCCTGC	TCCTGTACTN	240
25	GTCCTCAGCT TGGGGNTTCT					272
	SEQ ID NO:3478					
	SEQUENCE LENGTH: 270					
30	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04089					
	SEQUENCE DESCRIPTION:				•	
35	GATCTTGATA TTNGGCCTCT	TTGAAGAGAC	AGCCCTGGCT	GCTTTCCTNN	CCTACTGCCC	60
	TGGAATGGGT GTTNCTCTTA	GGATGTATCC	CCTCAAACCT	ACCTGGTGGT	TCTTTGCCTT	120
	CCCCTACTCT CTTCTCATCT	TCGTATATNA	CGAAGCAGAA	AACTCATCAT	CAGGCGACGC	180
	CCTGGCGGCT GGGTGGAGAG	GGAAACCTAC	TATNAGCCCC	CCGTCCTGCA	CGCCGTGGAG	240
	CATCAGGCCA CACACTCTGC	ATCCGACACN				270
40						
	SEQ ID NO:3479					
	SEQUENCE LENGTH: 267					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY: linear					
	CLONE: HUMGS04090					
	SEQUENCE DESCRIPTION:					
	GATCACCAAC AGGGAAAGAC					
50	TGGCAACAGC TTTGCCACGA					
	TTGGATTTCC CTGCCCAGGG					
	GAGGCTGGCC ACCAAACAGA	GCAGTGGCTA	AATTGCAGTA	GCAGCATATC	TTTTTTTCTT	240

	TGCACAANTA AACAGTGAAT	TCTCAAA				267
5	SEQ ID NO:3480 SEQUENCE LENGTH:263 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS04091 SEQUENCE DESCRIPTION: GATCCCTGGA GTGCCTTGGT CACCTCCAGC TGCCCCCGGC TTGCTGCCAG GCACTGTTCA GCTGAAAGTT CATATCTGGA AGGACAGTTC TTCGTGCCTG	CGGGGGATGC TCTCAGCTTT GCCTGATGTC	GAGGCTCGGA TCTGTCCCTT	GCACCCTTGC TGCTCCCGGC	CCGGCTGTGA AAGCGCTTCT	180 240
	SEQ ID NO:3481	AAA				263
20	SEQUENCE LENGTH:257 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04092 SEQUENCE DESCRIPTION:	acid				
25	GATCGGGAAC AAATGNAATC ATGTTGCTTT GGCTTTGTAA CTTTTTAAAA TGTCTCGGCT TAAGATTTGA GGGATATAAG TAACTGTTTA CGTTAAA	ATTTAAATAT AGCTAGACCA	GTAAGTGCTA CAGATATCTT	TATAAGTCAG CTAGACATAT	GAGCAGCTGT TGAACACATT	180
30	TAACTUTTIA CUTTAAA					201
	SEQ ID NO:3482 SEQUENCE LENGTH:255 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
35	CLONE: HUMGS04093					
	SEQUENCE DESCRIPTION: GATCTACATT TTGTACATAT TAATGGCTTA ACTCGAACTT					60 120
40	GATAATTTTN ATTITCCING ATTITGCATT AAAANTAGTG GGGAAGAGGA TIGIN					
	SEQ ID NO:3483 SEQUENCE LENGTH:255 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4094	acid				
50	SEQUENCE DESCRIPTION: GATCTGAAAT NAGAAATATC	CAACATTGCA	CGAGTATCTT	TNTTTATNCC	TCCACAGACT	60

	CCGCCAGAGA CACCTAGTCC	TGATGAAACG	TCTGCTCCTT	GTCCTAATAT	TCATATCAAC	120
	AGCACCATTC CTGGCATTCA	CATTTTAAAA	ATTATGTGGA	AGTGGATAGG	AGAACTGCAG	180
	CTGTCAATAG CCTAGGGCTG	AATTTTTGTC	AGNTAANTAA	NATAAATCAT	TCATCCTTTT	240
5	TTTTNGNTTT ATAAA					255
	SEQ ID NO:3484					
	SEQUENCE LENGTH: 253					
10	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	•				
	CLONE: HUMGS04095					
	SEQUENCE DESCRIPTION:					
	GATCTAGGTG GTTTGTAATT	GTGCATTACT	GACTGCATAT	GTTTGTGTAT	GTGTAAATGT	60
15	GGGCTCCCTG TTAAGTGGGG	CTCATGGATA	CGAGGCCTGA	GGAAGTGTGG	CTTGCTAGTC	120
	TGTTACGTTA ACATGCTTTT	CTAAAATTGC	TTCACGTGTT	AATTCATTTA	CTCCTGCATT	180
	CATTGACTGT TTTTGTTCTT	TTCCATTCAC	TTTGTACTTA	TTTTTTTCAT	TAAATTTTGC	240
	ATTTATTTTG AAA					253
20						•
	SEQ ID NO: 3485					
	SEQUENCE LENGTH: 251					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY:linear					
	CLONE: HUMGS04096					
	SEQUENCE DESCRIPTION:					
	GATCCTAGTT CCTTCCTTCC	CGAGTGATAC	CCATGAACTG	CCAGTAGAGG	CTGCTATCGT	60
	TCCATGTGTA AGGAATGAAC	TGGTTCAAGG	CGCGTCCTAC	CCAGTCATTT	TCTTTACCTT	120
30	ATACTAATTC TTCCTGAATA					
	CAAATTACTT GGAGGGCTGC	CTAGGAATCT	ATCTCCCTCT	GAAATAAAGT	TTCCTCATCT	240
	TCCACNNTAA A					251
35	SEQ ID NO:3486					
33	SEQUENCE LENGTH: 249					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04097					
40	SEQUENCE DESCRIPTION:					
	GATCATACGG CCTTCCAGGA	GACGCTGGGA	TGTAAGATAC	TCTTGGAGGN	TGGCTCTGAA	60
	CTCGGGTGTC TGAATCACAG	GGCAAGGGTA	GGCGTGGGCT	GTGGCTAACA	GCAGAGTCAC	120
	TTCCCTGGCC TAGCTTGGGG	ACCTGGGGAG	GAGGAGGTAG	CTCTGGACAC	CAGGGTTCTT	180
45	CCCATTGTGG GAGAGTNAGT					
	AGCCCTAAA					249
	SEQ ID NO:3487					
50	SEQUENCE LENGTH: 248					
	SEQUENCE TYPE: nucleic	acid	•			
•	TOPOLOGY: linear					

	CLONE:HUMGS04098 SEQUENCE DESCRIPTION: GATCAAAGAA GAGAGTAAAG		ልልፐፐፒኔልፑፒፒ	CAATACCTGA	ፐ ፐፐርፖልቦፕ ፐ	60
5	CCTTGAAAGC TTTACTTTAA					
•	TACATACAGT TTCACTTCAA					
	TAACANTNCT TTATCANGAN					
	ATTTNTNN					248
10	000 ID NO 0400					
	SEQ ID NO:3488					
	SEQUENCE LENGTH: 245					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGS04099					
	SEQUENCE DESCRIPTION:					
		10000000110	CORTO 1 CCCT	0001107710		
	GATCTGTGTT GTAGAACATG					60
	CCCACACTTG TGAAGGTTTT TTTTAATTTT TACTGTTTTA					
20	TTCATAAAAG TATCCCTTTC					
	TATTN	AAAIGCCIII	AIMADAADAD	UANGAAAAA	AGILLGIALA	
	MIII					245
	SEQ ID NO:3489					
25	SEQUENCE LENGTH: 246					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear			•	•	
	CLONE: HUMGS04100					
30	SEQUENCE DESCRIPTION:					
	GATCCTGATN ATATTTGGCA	GCTGTCCTCC	AGTCTTAAAA	GGTTTGATGA	CAAATACACC	60
	TTGAAGCTGA CCTTCATCAG	TGGGAGAACA	AAGCAGCAGC	GGGAAGCCGA	GTTCACAAAG	120
	TCCATTGCTA AGTTTTTTTG	ACCACAGTGG	GACACTGGTC	ATGGATGCAT	ATGNGCCTGA	180
35	AATATCCAGG CTCCATGACA	GTCTTGCCAT	AGAAAGANAA	ATAAAGTAGC	CACTTCTANA	240
	AGTAAA					246
	SEQ ID NO:3490					
	SEQUENCE LENGTH: 239					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	20.0				
	CLONE: HUMGS 04101					
	SEQUENCE DESCRIPTION:					
45	GATCCTGGGT ACTGAAAGNC	TTAGGGAAGC	TGGCCTGAGA	GGGGAAGCGG	CCCTAAGGGA	60
70	GTATCTAAGA ACAAAAGCGA					
	ATGAGGAAGG AACAGCAATG					
	AGTTTTTACT TTTTTTGTTT					
					_ , ,	
50	SEQ ID NO:3491					
	SEQUENCE LENGTH: 239					

	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4102	acid				
5	SEQUENCE DESCRIPTION:					
	GATCTGGGGA AAGGAGAGAC					
	GCAGGCCTGT GGATGAAGGA					
	AGGTTGGGGG CCCCNGNCCN					
10	TCTGTAGCAG GAGCTAGGGC	TGCTGCCTCA	GCTCCAAGAC	AAGAATGAAC	CTGGCTGTN	239
	SEQ ID NO:3492		•			
	SEQUENCE LENGTH: 244					
	SEQUENCE TYPE: nucleic	acid				
15	TOPOLOGY:linear					
	CLONE: HUMGS04103					
	SEQUENCE DESCRIPTION:					
	GATCTGTGTT TCCTCCCCAG	TCATCTTTCT	TGTTCCAGAG	AGGTGGGGCT	GGATGTCTCC	60
20	ATCTCTGTCT CAACTTTATG	TGCACTGAGC	TGCAACTTCT	TACTTCCCTA	CTGAAAATAA	120
	GAATCTGAAT ATAAATTTGT	TTTCTCAAAT	ATTTGCTATG	AGAGGTTGAT	GGATTAATTA	180
	AATAAGTCAA TTCCTGGAAT	TTGAAAGAGC	AAATAAAGAC	CTGAGAACCT	TCCAGAATCT	240
	GAAA					244
25	SEQ ID NO:3493					
	SEQUENCE LENGTH: 235	•				
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear	acra				
30	CLONE: HUMGS 04104					
	SEQUENCE DESCRIPTION:					
	GATCCATAAA AGATTGTATT	TTTATTACTA	TTTAAACAAG	TGATTAAATT	TAGTCTGCAC	60
	ANNNAGCAAG GGTTCACATG					
	AACATTTTGT ATGTTTCTNC	-				
35	GTCAGGAGNN CTGTGAGAAA					235
	CPO ID NO. 2404					
	SEQ ID NO:3494					
40	SEQUENCE LENGTH: 233 SEQUENCE TYPE: nucleic					
	TOPOLOGY: linear	acid				
	CLONE: HUMGS 04105					
	SEQUENCE DESCRIPTION:					
<u></u>	GATCGACTGT AAATAGAGGA	CTTCTCGAAC	ATTCCAAATA	TTCTGGGGTT	CAGGGAAATT	60
45	GCTGCTGTCT ACAAAATGCC					
	CACTTTGGGA GNCTGAGGTA					
	CAATATAGCA AGACCACGTC					233
50	CEO ID NO. 2405					
	SEQ ID NO:3495					
	SEQUENCE LENGTH: 243					

	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGSO4106					
5	SEQUENCE DESCRIPTION:					
	GATCATGGAG ACCTGGCTGG					
	TCTCTGGTGA ATGGNACTTT					
	CTGTGTCCTG CCACCATGTG					
10	CATGTGTNCT CCATTCTTGT	GAGCATCCTA	ATNNNTCNNT	TCCATTTTNA	TGACAGGANG	240
	AAA			•		243
	SEQ ID NO:3496					
	SEQUENCE LENGTH: 231					
15	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04107					
	SEQUENCE DESCRIPTION:					
20	GATCCAGAAC TGAGGTCACT	GGGTTCTAGA	ACNGNNACAT	TTACCTCGAG	GCTCTTCCAT	60
	CCCCAAACTG TGCCCTGCCT					
	CTGTGTCTGC ACCGCTTGGT	TTGCAGTTGA	GAGGGGAGGG	CAGGAGGGGT	GTGATTGGAG	180
	TGTGTCCGGA GATGAGATGA	AAAAAATACA	TCTATATTTA	AGAATCCCAA	A	231
25	SEQ ID NO:3497					
	SEQUENCE LENGTH: 231					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acra				
30	CLONE: HUMGS04108					
	SEQUENCE DESCRIPTION:					
	GATCTGCAGC CAGGCCTTTC	TGAAGGNGTT	ATTCTGNTAA	AAATGGTCTN	AGTTNTCTGA	60
	AAAGCCAGCT CTTGAACCTC					
	ATGCGTGCGA GAAGTCAGTG					
35	TAAAAAACAA AGACTGTAAG					231
	SEQ ID NO:3498					
	SEQUENCE LENGTH: 224					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acru				
	CLONE: HUMGS04109					
	SEQUENCE DESCRIPTION:		•			
45	GATCCCAGTT TGCAGCAAAC	CCCACACCCC	AGCTCACACA	GCAAAAACAA	TGGACAGGCC	60
43	CAGAGGGTGA AGCAAACAGT				•	
	ATTTATTTNA CCTCTTTCCC					
	TCAGTCCCTC TCCTTCTCAA					224
50	ano in un com-					•
	SEQ ID NO:3499					
	SEQUENCE LENGTH: 294					

	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4110	acid				
5	SEQUENCE DESCRIPTION:					
	GATCGGGAAC AAGCACGTTG					
	GGCGGCAAGC TGACCGCACA					
	TTTTGACAGC TCTGCTGCCC GGTGTCACCA GCCTTTTCTT					
10	AAAGCNAANC CNTGGGAATA					294
	SEQ ID NO:3500					
_	SEQUENCE LENGTH: 221					
15	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGSO4111					
20	SEQUENCE DESCRIPTION: GATCCAAGTT TGATAACATT	GGCATGAATG	CCATGGCTAA	CAAAGATAAT	GCAAGTNTCA	60
20	AACAGCTTAG ATGGGAGGCT					
	TCATCAGGAA AAGGAAACAT					
	NCCAAGGGAA ATGAGTTATT	ANTGTAANTN	ATAGNTTAAN	N		221
25	070 ID NO 0501					
	SEQ ID NO:3501 SEQUENCE LENGTH:220					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	4014				
30	CLONE: HUNGSO4112					
	SEQUENCE DESCRIPTION:					
	GATCTAATTG TATTAGTATT					
	TTTGTGAATA TAATNNTATG					
35	AAATTGCTTT CTGCTGTATA				TITNCIGIGA	220
	ATAAAACGNN NNCAATAAAA	IACIAIICII	IAAAAIIAAA			220
	SEQ ID NO:3502					
	SEQUENCE LENGTH: 226					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	_				
	CLONE: HUMGSO4113 SEQUENCE DESCRIPTION:					
45	GATCTGGACA CCCTGTCTCC	TGAGGAGCGC	CGGGCCAGGC	TGCGGAAGTN	TGAGGCTCAG	60
45	CTCCAGTCGA GGAAGGAGTA					
	CGACAGTTCT GGACCAGGAC					
	AAGATGGGAG GGCTGTTCTT					226
50	SEQ ID NO:3503					
	SEQUENCE LENGTH: 215				•	

	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4114	acid				
5	SEQUENCE DESCRIPTION:	CC 1 1 1 CC T 1	0 A A C C T C T C T	CCCTCLACAN	CANNECAACE	60
	GATCATGCCG AAAAAGTGGC AGGATGCTGA GGAGAAGCAA					
	CCTTTTTTNA AAAAATTTTA					
	TTACAAGGGA CGTTATATAA			IIdillilai	ICITICATII	215
10	IIACAAGUM CUIIAIAIAA	NUNNCIUNNO	IUAAA			210
	SEQ ID NO:3504					
	SEQUENCE LENGTH: 213					
	SEQUENCE TYPE: nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS04115					
	SEQUENCE DESCRIPTION:					
	GATCTNTTCT TAATGTACAT	AGTGCTAACA	TGAAGACCTT	TTTNTGCACT	ATATGCAAAC	60
20	AGGGTAACTA ACTAAAACAA	AGCCACTTTC	AATCTTCAAT	CCTTGAAGGT	ATATCTAGGT	120
	TTATNACAGT AATTGTNTTT	ACATTTNATG	GTGCCTAGTA	TTGACAAAAT	GTTATTTCCC	180
•	TACATTAAAC ATGACTCCAT	AGACCTTTTC	AAA			213
	SEQ ID NO:3505					
25	SEQUENCE LENGTH:212					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04116					
30	SEQUENCE DESCRIPTION:					
	GATCTAATGT AAAATCCAGA	ACTTGGACTC	CATCGTTAAA	ATTATTTATG	TGTAACATTC	60
	AAATGTGTGC ATTAAATATG	CTTCCACAGT	AAAATCTGAA	AAACTGATTT	GTGATTGAAA	120
	GCTGCCTTTC TATTTACTTG	AGTCTTGTAC	ATACATACTT	TTTTATGAGC	TATGAAATAA	180
35	AACATTTNAA NCTGAATTNN	TTAACTNTGA	AA			212
	480 ID NO 0500					
	SEQ ID NO:3506					
	SEQUENCE LENGTH: 211					
40	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
.0	CLONE: HUMGSO4117					
	SEQUENCE DESCRIPTION:					
	GATCAGAGAT GCTGTTCATC	AGTCCCAACA	AGATGGCCTA	GAAATCGCAT	TOTOACCTOG	60
	CCTTGCTGCT GCTTTAATTC					
45	GGCGGATACA GGAAACACCC					
	GGCTCATTAA AGCATAGTAT				• • • • • • • • • • • • • • • • • • • •	211
50	SEQ ID NO:3507					
~	SEQUENCE LENGTH: 209					
	SEQUENCE TYPE:nucleic	acid				

	TOPOLOGY:linear CLONE:HUMGSO4118 SEQUENCE DESCRIPTION:					
5	GATCGAGATN CAAAGCCACA	TNCTCTCTCA	CCAAGNTAAA	CTATTTANAT	TAATTGTTAG	60
	CGGTGTTATG CTGCTTTCTT	CTTTGACAAG	GCCATGACTA	AGAAGGCTCT	AAGTAAAGGA	120
	AGAATCATTT ATTCCATAGT	CAGCTAACTG	GTAGCAAAGC	CTTCTNTTCC	AAGACACCAA	180
	GGGAGAGGGG AGGACATAAA	TTATGCAAA				209
10						
	SEQ ID NO:3508					
	SEQUENCE LENGTH: 208					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
15	CLONE: HUMGSO4119					
	SEQUENCE DESCRIPTION:					
	GATCCCCTCT TNAGTCCNCT	$\tt GCCCCTTCCA$	AGGACACTAA	TGAGCCTGGG	AGGGTGGCAG	60
-	GGAGGAGGG ACAGCTTCAC	CCTTGGAAGT	CCTGGGGTTT	TTCCTCTTNC	GCCCCTTGTG	120
20	GTTTCTGTTT TGTAATTTAA		TCATCACTGT	TTATTATT	ATTTTCTACA	180
	ATAAATGGGA CCTGTGCACA	GGAGGAAA				208
	SEQ ID NO:3509					
25	SEQUENCE LENGTH: 322					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04120					
	SEQUENCE DESCRIPTION:					
30	GATCCAAGCA TATAAAAAGC					
	CGATATTATA AAAGTTGAAT					
	AATAACTNNC TGATAGCTGC					
	TGAACCAAAG GATATTTCCA					
35	TAGGTGTGTA TGTGTACCTT		AGGAATTTTN	ATACTAAAAG	CAAAATGTTT	
	TTCCCAGTTA GTCTTCTTCA	GN				322
	CDO ID NO OCTO					
	SEQ ID NO: 3510					
40	SEQUENCE LENGTH: 205	.,				
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS04121					
	SEQUENCE DESCRIPTION:		0001554010	0000010001	000500000	
45	GATCCGNCCA CCTNGGCCTC					
	CCTCTTTTAA TTTATNCCTA GTGCACCAAG TGCTGGGGTG					
	TAAATTGTGT GGTTCAAATC		AIAAAUUAUU	CONUNANTNA	IUCIIGIAAA	
	IMMITTAL BUILDANAIL	IGNAN				205
50	SEQ ID NO:3511					
	SEQUENCE LENGTH: 205					

	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4122	acid				
5	SEQUENCE DESCRIPTION:					
	GATCCCTCAC TTTATTTATA	TTCCCACTAT	AACCAGTAAG	TTCATTTCAT	AGGCCCTATC	60
	ATGCATTAAT CATTGNATGN					
	CCGGCAATGA ACGTACCAAA	ACCGCCAAGG	AAGTCATTGT	TATTGCACAA	TACATGAGGA	180
10	CCTGGAGCTT TTCCAAAAGC	TTAAA				205
	SEQ ID NO:3512					
	SEQUENCE LENGTH: 204					
15	SEQUENCE TYPE:nucleic	acid				
15	TOPOLOGY:linear					
	CLONE: HUNGS04123					
	SEQUENCE DESCRIPTION:					
•	GATCTAAAAC GGCTATTTAA					60
20	TAAATGTTTT TAAATTAACT					
	TTTTAAAACA CGNTTGTNTG ATTCGTCTGN GTTCTCAGNG		AGCATATTT	TUCAAUTAAT	AAAGCTCAGT	
	ATTOUCHEN GITCICAGNG	UAAA				204
25	SEQ ID NO:3513					
	SEQUENCE LENGTH:201					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
20	CLONE: HUMGS04125					
30	SEQUENCE DESCRIPTION:	1 T (T) P P P P P P		0.1001111		••
	GATCTCTCTC ATTCATTTCA					60
	ATTTAAGATG TACAGGCATC CACTGTGAAC ATGTGTACCC					
	CAGTTTTTTA TAATGTTGAA		AIGCAAIAII	GIIICCAAIC	CITACIAAIA	201
35	ondiffication and the second	n .				201
	SEQ ID NO:3514					
	SEQUENCE LENGTH: 200					
40	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS04126					
	SEQUENCE DESCRIPTION:	ጥም አ ርርምህር እ	1010011011	CTTCLCLCIC	ACATTTOOO.	co
	GATCCAATTT ACATCCACAT ACCAGACATT GGGTCACTCA					
45	TTGTAGCAAA TGGGAATAAA					
	GTGCTGTTTT TAATTNGAAA		ININUNCOUN	UAACIUAAAA	AAIAAACAIC	200
	SEQ ID NO:3515					
50	SEQUENCE LENGTH: 209					
	SEQUENCE TYPE: puclaic	anid				

5	TOPOLOGY:linear CLONE:HUMGSO4127 SEQUENCE DESCRIPTION: GATCTTAGTT TTCTTTTGTT AGGGGGGGTG TTGTGGTTTT CCTCTCCCAA CATAACAATC AATGTAAGTA AAAAAAGGAA	TTGTTTTTGT GTGGTAACAG	TTTGCTTCTG	AGAAAGCATT	TGCCTTTCTT	120
10	SEQ ID NO:3516 SEQUENCE LENGTH:198 SEQUENCE TYPE:nucleic	acid		•		
15	TOPOLOGY:linear CLONE:HUMGSO4128 SEQUENCE DESCRIPTION:					
	GATCCATTCC CTGCAACTNA					
	GGTTGGNAGG AGGTAAAGAG					
20	TCCTAACTAT NCANATTCCT GACCCCCCATC TCTCTAAA	TGAGCCCAGG	AGTTTGAGTC	CAGCCTGGAC	AACATATTGA	
25	SEQ ID NO:3517 SEQUENCE LENGTH:191 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4129 SEQUENCE DESCRIPTION:					198
30	GATCATGAAT AGGAGCCCAT					60
	GATGTATTTC TGAGCTAAAA					
	AAGTAACCAC CACTTCTGCC	TTAGATAATA	TGATTATAAG	GNAATCAAAT	AAATGTTGCC	
	TTAACTTCAA A					191
35	SEQ ID NO:3518					
40	SEQUENCE LENGTH:191 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4130 SEQUENCE DESCRIPTION:	acid				
	GATCCAGGCA GCCAAGAACT	TGATGAATGC	TGTGGTGCAG	ACAGTGAAGN	CATCCTACGT	60
	CGCCTCTACC AAATACCAAA					
45	ATGGAAGATG AAGGCACCAG					
	ACAGACCAAG N					191
50	SEQ ID NO:3519 SEQUENCE LENGTH:187 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				

	CLONE:HUMGSO4131 SEQUENCE DESCRIPTION: GATCTCCCCC AAAGATTCCA GGCGGTGCAA CCCTGCNTGT TCGAGGTGGA GCTGCTCAAA 60
5	ATAGAGCGAC GAACTGAGCT GTAACCAGAC TGGGGAGGGG CAGGGGGAGA GGCCCCCATC 120 AGGGACCAGA CTGTTCCAGA AAAAAAAACAA AAAACANAAA CAAACAAAAA AACACTTAAA 180 AGCCAAA 187
10	SEQ ID NO:3520 SEQUENCE LENGTH:184 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS04132
15	SEQUENCE DESCRIPTION: GATCGAGACT CTNCCAGAAA ACAAAACAAA ACAAAAAAAA ATCCGTTTCT AAGGACGGCG 60 GGGATTCGGT TCGAGCCCGT GGCTGCTCTG TTTTGTTTTG
20	ANAAATAAAA GGGTAATATA AATATTTNAG AAGAGGGAAA TTGCTGAAGA GTAGTAAGGG 180 CAAA 184
	SEQ ID NO:3521 SEQUENCE LENGTH:177 SEQUENCE TYPE:nucleic acid
25	TOPOLOGY: linear CLONE: HUMGSO4133 SEQUENCE DESCRIPTION:
30	GATCAGATGA CCATTGAGGA CTTGAATGAA GCTTTCCCAG AAACCAAATT AGACAAGAAA 60 AAGTATCCCT ATTGGCCTCA CCAACCAATT GAGAATTTAT AAAATTGAGT CCAGGAGGAA 120 GCTCTGGCCC TTGTATTACA CATTCTGGAC ATTAAAAATA ATAATTATAC AGTTAAA 177
35	SEQ ID NO:3522 SEQUENCE LENGTH:220 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS04134
40	SEQUENCE DESCRIPTION: GATCCCATCC GAAGCTCAGG GTATGGAGAG CGGGGAGCTC CNCCAAAGAT TCCAGGCGGT 60 GCANCCTGGT GTTCGAGGTG GAGCTGCTCA AAATAGAGCG ACGAACTGAG CTGTAACCAG 120 ACTGGGGAGG GGCAGGGGGA GAGGCCCCCA TCAGGGACCA GACTGTTCCA AAAAAAAANC 180 AAAAANCAAA ANCAAACAAA AAAACACTTA AAAGCCCAAA 220
45	SEQ ID NO: 3523 SEQUENCE LENGTH: 172
50	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS04135 SEQUENCE DESCRIPTION:

	GATCCTACCT AAGGGGCACA					
	TGTTTTCAGC CACCATTTTA					120
	NTTTCTATAG CAGAGATTTC	ATAATAAAA	GAAAATCCTA	AACAATGAGA	AA	172
5						
	SEQ ID NO:3524					
	SEQUENCE LENGTH: 169					
	SEQUENCE TYPE:nucleic	acid				
10	TOPOLOGY:linear					
	CLONE: HUMGS04136					
	SEQUENCE DESCRIPTION:					
	GATCGCACTG CGCAGGGGTG					60
15	GGAGGTGCAG GCCAAGAAGA				CACAGGCCAG	120
.0	CCCCAGTNTC ACGGCTGAAG	TGCGCAATAA	AAGATGGTTT	AGGGTCAAA		169
	CEO ID NO. 2505					
	SEQ ID NO:3525 SEQUENCE LENGTH:169					
-	SEQUENCE TYPE:nucleic					
20	TOPOLOGY: linear	acid				
	CLONE: HUNGS 04137					
	SEQUENCE DESCRIPTION:					
	GATCTCAGGC ATCGGATTAT	TTCTCCTGTA	AATATTTCAG	AATGTATCTN	TCCAAGATGA	60
25	GAGCTCATTA AAAGACAATT					
	AAATATTATT AANCGTGTAA					169
	SEQ ID NO:3526					
30	SEQUENCE LENGTH: 165					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS04139					
35	SEQUENCE DESCRIPTION:					
	GATCAAAANG AGTNAANCTA					60
	CATAGCTTTT GTATGCAGAT				TAGATAAACT	120
	CATAAGCTTA AATTCTAAAA	ANGAAAAAGC	TTATACCANG	ATAAA		165
40	SEQ ID NO:3527					
	SEQUENCE LENGTH: 165					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	aciu				
45	CLONE: HUMGS04140					
70	SEQUENCE DESCRIPTION:					
	GATCAGCCGA TGACAGAGAT	TGTAAGCCGT	GTGTCGAAGC	GAAAGTTGGA	GCCGCCACGT	60
	GCGGGCNCTG GTGCTTNANC					
	CTATGTCCGA NACACCATCC					165
50						
	SEO 10 NO-3528					

	SEQUENCE LENGTH:165 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
5	CLONE: HUMGSO4141	
	SEQUENCE DESCRIPTION:	
	GATCCATTTG AAAGTNATTT TGACATAAGG AGTAAGGTTA CTACTGATTC CTACTC	
	GGCTAAANTG GGAGGACCAC TTAAGTATGG NAGGTCGAGG CTATAGTGAG CCATTA	
10	GCCACTGCAC TACAATCTGG GCGACANAGC AAGACTCTGT CTAAA	165
	SEQ ID NO:3529	
	SEQUENCE LENGTH: 161	
15	SEQUENCE TYPE: nucleic acid	
10	TOPOLOGY: linear	
	CLONE: HUMGSO4142	
	SEQUENCE DESCRIPTION:	TT
20 .	GATCCTGTGT TTGCAACTGG GGAGACAGAA ACTGTGGTTG ATAGCCAGTC ACTGCC GAACATTTGA TGCAAGATGG CCAGCACTGA ACTTTTGAGA TATGACGGTG TACTTA	
20 .	CTTGTAGCAA AATAAAGATG TGCCCTTATT TTACCTACAA A	161
	orionidali minimidali idodolikii iladinaa k	101
	SEQ ID NO:3530	
25	SEQUENCE LENGTH: 161	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS04143	
30	SEQUENCE DESCRIPTION: GATCAGTCAT CCACCAGGAA CGAAGATTTC CTGAAGAAGA CCTGGTCCCT CTGGAG	የመቸው ይለ
30	CGGTGGCTGA AGGATGCATC ATGTGCTCCT ACCCTGCTCT ACCGCTTTNT TGGGTC	
	AGGCCAAATG TGAGAGCATT GAATAAATAT CTTAAGCTAA A	161
	Addonated tononcont unnimment citization a	101
35	SEQ ID NO:3531	
	SEQUENCE LENGTH: 159	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
40	CLONE: HUNGSO4144	
70	SEQUENCE DESCRIPTION:	
	GATCTCGTGA AGCCCGCAAG GACCGAACAC CCCCACCCCG ATTTAGACCT GCGGGT	
	CCCCACGTCC CCCACCAAAG CCCATGTAAG GAGCTGAGTT CTTAAAGACT GAAGAC TATTCTCTGG AGAAAAATAA AATGGAAATT GTACTTAAA	AGGC 120 159
45	TATIOTOLO ROMANATA ANIUGAMATI GIACITAMA	133
. 9	SEQ ID NO:3532	
	SEQUENCE LENGTH: 386	
	SEQUENCE TYPE:nucleic acid	
50	TOPOLOGY: linear	
00	CLONE: HUNGSO4145	
	CEAHENCE DECADIDATAN.	

		GATCCTTACA GTAGA	GGTGA	CCCCTGTAAT	ACCATCTGCT	GCCGTGAGGA	CCTGAACTCA	60
		CCTAACCCAA GTCCT	GGAGG	TTNNNNNGAC	ACAAAGGTGG	CAGATATCTA	CCTAGCATCT	120
		CAGTACACAT CCTAT	GCCAT	AAGTGGTCCC	ACAGTACAAG	GTGGCCTCCC	TGTTTTTCGC	180
	5	TGGGACCGTT TCAAC	AAAAC 1	TCTACATCAG	GGCATGCCAG	AGGTCTACAA	CTTTGATTTT	240
		ATTACCATGA AACCA	ATTTT (GAAACTTGAT	ATAAAATGNA	GGAGGGAGAT	GACGGACTAG	300
		AAGACTGTAA ATAAG	ATACC A	AAAGGCACTA	TTTTAGCTAT	GTTTTTCCCA	TCAGAATTAT	360
		GCAATAAATT TNTTA	TTTTA	GTCAAA				386
1	0							
		SEQ ID NO:3533						
		SEQUENCE LENGTH:						
		SEQUENCE TYPE: nu	cleic a	acid				
,	'5	TOPOLOGY:linear						
•	•	CLONE: HUMGS04146						
		SEQUENCE DESCRIP						
		GATCAGATTA AACCA						
		CCACAGTGGG ATACA		-				
2	20	GATAGCTTTN AGGAA						
		GNCCACAGTG TTTGC						
		GAAACAGTAC AGAAC						
		TAATATNACT AGGCA				AAAATGTTAA		
2	25	AAACCTTTCC AGTNG	GGGNT G	GTCCNTTNA	N			391
		SEQ ID NO:3534						
		SEQUENCE LENGTH:	157	•				
		SEQUENCE TYPE: nu		aid				
.5		TOPOLOGY:linear	cieic a	iciu				
Ť		CLONE: HUMGS04147						
		SEQUENCE DESCRIP	- אחז					
		GATCCGCCCG ACTCG		CAAAATGCT	GGGATTACAG	GCGTGAGCAT	TCAAGTCTGG	60
		CGAGAGAGAT TGTTT						
3	D	AGTCTCTATC GGAAA						157
					001021			20.
		SEQ ID NO:3535						
		SEQUENCE LENGTH:	154					
4	0	SEQUENCE TYPE:nu	cleic a	cid				
		TOPOLOGY:linear						
		CLONE: HUMGS04148						
		SEQUENCE DESCRIP	TION:					
4	5	GATCTACAGC AAAAC	ACAGC G	GGAGAGGTT	CGCCTGGGCT	CTCGCCATGG	CAGGAGAAGA	60
		CTTTGAATTC TAACG	ACGAG C	CGTGTTGAA	ACTTCTTTTG	TATGTGTGTG	TGTTTTTTC	120
		ACTATTAAAG CAGTA	CTGGG G	AATTTTGTA	CAAA			154
		SEQ ID NO:3536						
5	•	SEQUENCE LENGTH:	151					
		SEQUENCE LENGIH: SEQUENCE TYPE: nu		a i d				

5	TOPOLOGY:linear CLONE:HUMGSO4149 SEQUENCE DESCRIPTION: GATCTAGGCA ATGATTTAGA TGTGTTTCAA ATTTTGCCTT TTTTAAAAGT AAAGCTGCTG	TCTGAACTAT	TTAAAATTAT			
10	SEQ ID NO:3537 SEQUENCE LENGTH:355 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE:HUMGS04150 SEQUENCE DESCRIPTION: GATCTATGAA AGCGGGGAGA					
	AGAAAACAAA GAACCATTAT	-				_
	TTAGTGTTGA CGCCAACATA				-	• -
20	GGTCGTTGGT ATGTAATCCA					
	AATATATGTA CCACACTACT					300
	GGTGATTTAA GTGAGTCACA	AGTCACAAAA	CTTTGCTATT	CATAGTTTAT	CTNGN	355
25	SEQ ID NO:3538 SEQUENCE LENGTH:148					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4151	acid				
30	SEQUENCE DESCRIPTION:					
	GATCTCTGCT TCCTGTACCT	TGACATGCAA	AAGGCTCTCC	TAATACTCCA	CATTCAAACT	60
	GAAGAGGAAA ATTGAAATCT			*		
	AAAAACTGCT TGGATGGTTT		1001010101	ATTIAIVANI	MILAMIUMAI	148
35						1.0
30	SEQ ID NO:3539					
	SEQUENCE LENGTH: 148					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
40	CLONE: HUMGS04152					
	SEQUENCE DESCRIPTION:					
	GATCAACAAC TNGNTACTCT	CGGGAAGACT	CCTCTACTCA	CAGCTGAAGA	AAATGAGCAC	60
	ACCCTTCACA CTGTTATTAC	CTATCCTGAA	GATGTGATAC	ACTGAATGGA	AATAANTAGA	120
45	TGTAAATAAA ATTNAGTTCT	CATTTAAA				148
	and the walls					
	SEQ ID NO:3540					
	SEQUENCE LENGTH: 147				•	
50	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUNGS04153					

	SEQUENCE DESCRIPTION: GATCAGAGTA AACAAAAGGA ATCTCAAAGG AAATTTGAAG AAGAAACTGT AAAATCCAAA 60 GTGACTGTTG ATACTGGAGT AATTCCTGCC TCTGAAGAGA AAGCAGAGAC TCCCACAGCT 120	-
5	GCAGAAGATG ACAATGAAGG AGACAAA 147	
10	SEQ ID NO:3541 SEQUENCE LENGTH:146 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4154	
15	SEQUENCE DESCRIPTION: GATCGTGGCG CATGGCTTGG GGATTAAACT ACCCTTGANG AGGACCCTTG TCCCAAACCC 60 TTCTTGTTCT CTCCTCCAAA AGTAGCTTCC TCCAACCCGC AGCCTCTCTG CACACTAATA 120 AAACATGTGG CTTGGAAAGG TTCAAA 146)
. 20	SEQ ID NO:3542 SEQUENCE LENGTH:144 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4155	
25	SEQUENCE DESCRIPTION: GATCTTTAAG GACAAGTTTA TCCAGCATCC AAAAAACTTT GGACTAATTG CATCATACTT 60 GGAGAGGAAG AGTGTTCCTG ATTGTTTTTT GTATTACTAT TTAACCAAGA AAAATNAGAA 120 TTATAAAAGCC CTCGTCAGAA GGGN 144)
30	SEQ ID NO:3543 SEQUENCE LENGTH:140 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4156	
35	SEQUENCE DESCRIPTION: GATCTGGGTT TTNATATCTT TATCTTCATT CAGTGAAGCA AGCCAAAAGC NCACATTTGT 60 ATGCNTTAGG TCTTCTTAAA ATGGTATCTG TAAACATGTG TCCAATATAA AANCTATTTT 120 NAATAAAANG TTACATGAAA 140)
40	SEQ ID NO:3544 SEQUENCE LENGTH:138	
45	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGSO4157 SEQUENCE DESCRIPTION:	
50	GATCAGCAAT GAAGAACTGG NCGGACAAAA TTNAACGTTN ATGTAATGGN ATTCCAGATG 60 TAGGCATTCC CCCCAGGTCT TTTCATGTGC AGATTGCAGT TCTNATTCAT TTGAATAAAA 120 AGGAACTTGG AAANCAAA 138)

5	SEQ ID NO:3545 SEQUENCE LENGTH:137 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4158 SEQUENCE DESCRIPTION:
10	GATCTAAATG GGCCCAGGTG TTTACCCTTA TNTNGTTTTC TGCTAAATNA TGGAGGTTTG 60 GGGAGTTCCT TCTCCACTTG TTTGTGGAGG CCTGGGGAGT TTTTNNAGAC CCCCAGTAAA 120 ACTNGTTTAA TCCTAAA 137
15	SEQ ID NO:3546 SEQUENCE LENGTH:136 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4159
20	SEQUENCE DESCRIPTION: GATCCCTGTA GAGGTGGTAT TAAAGATGGT CACTGAGATT AAGAAGATTC CTGGTATTTC 60 TCGAATTATG TATGACTTAA CATCAAAGCC CCCAGGAACT ACTGAGTGGG AGTAATAAAC 120 TTCTTGTTCT ATTAAA 136
25	SEQ ID NO:3547 SEQUENCE LENGTH:135 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4160
30	SEQUENCE DESCRIPTION: GATCCTAAAAA TNNTCTACTT TTGTNGCCTT ATCAGTNCTT TGCAATCTGC CTGTGGTTAT 60 CAGCACTTAA AGCACAATTT TGAAGGGGAA AAAAATGATA ATCACCTTAG TCCCAAAGAA 120 ATAATTTGTC ANNCN 135
35	SEQ ID NO:3548 SEQUENCE LENGTH:134 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
40	CLONE:HUMGSO4161 SEQUENCE DESCRIPTION: GATCTGGACT GGCTGGGAGT GGGGAGGGCG TGGAGACAGT CTACGGAAAG CGCTANAGGA 60 CCCCCGAGAG GGTGCAGTGG AGCCCTGAGC ATTGTAATAT GCGGCCCAGC CTATAAACAG 120 CCTCCGTGCT TAAA
45	SEQ ID NO:3549 SEQUENCE LENGTH:134
50	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS04162

	SEQUENCE DESCRIPTION: GATCCTTTGC TGTAAACTNG	GAGAGACCAG	- TCCCAAACAG	AGGGGAATTT	TAAGCCCTTC	60
	TCATCACCCA ATTGGATGTT					
5 .	TTTGCAAAAC TAAA					134
	SEQ ID NO:3550					
•	SEQUENCE LENGTH: 133					
10	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGSO4163 SEQUENCE DESCRIPTION:					
	GATCTATGGG AAGATACTTA	ፐ ተተተተርተር ነር	CTCCTTATCT	CCTGTC AT AT	AATTAAAGAC	60
15	TCAAGAGAAT TTATGTGAAA					
	GCTGCTCCTG AAA	1001110101	NI GOOGIADII	OIIIMUMIIM	MULTINIAL IN	133
	SEQ. ID NO: 3551					
	SEQUENCE LENGTH: 132					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04164 SEQUENCE DESCRIPTION:					
25		TC 4 T 4 4 4 4 4 T	ጥጥጥጥ ለ ነ ጥርጥ ነ	T1TT1C1T1T	0710071001	60
	GATCTCAGTT CCNTAAAAA GAAATCCTTT TTACAATTTT					
	AAATGAACTA AA	ATATACAATC	ATTITANDAC	CITITIONAN	INANIANIUC	132
						100
30	SEQ ID NO:3552					
	SEQUENCE LENGTH: 154					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
35	CLONE: HUMGS 04165					
	SEQUENCE DESCRIPTION: GATCACGGGG TGGNAGGNAA	CCCNCCCCTC	CCTCCNTCCC	CCCCATCCCT	CANACACTCC	60
	AGTACTGAGA CCTAGAGTCC					
	TAAAACAAAA GAATCACGTT			10010110111		154
40						
	SEQ ID NO:3553					
	SEQUENCE LENGTH: 213					
	SEQUENCE TYPE:nucleic	acid				
70	TOPOLOGY: linear					
	CLONE: HUMGS04166 SEQUENCE DESCRIPTION:					
	GATCCTTAAT TGTAGCCTTT	GAAGGATGCC	CTGTGTAGAT	ተልተተ ር ልርተር ር	CACAAATTCA	60
	AAGCTTCCAT GTTTAATNTT					
E A	GGGTCTCACT GAGGGGGAGC					
	TGCAAACAGC CCTAAATAAA					213

5	SEQ ID NO:3554 SEQUENCE LENGTH:125 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4167 SEQUENCE DESCRIPTION:	
10	GATCCCAAGG GCCCAGATAA CGCCCCCAAC TTCTTGGGGT TCACACGCGT CCTGAGACAT CTGGGAACTG CCTCTGCCTG GNCCAAAGCT ATTCCATTAA AACTTTATTG CTGTNCTTAC TCAAA	
15	SEQ ID NO:3555 SEQUENCE LENGTH:127 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4169 SEQUENCE DESCRIPTION:	
20	GATCTGTGTA CAATTTTNGT CACTANGACT TTCCTCCAAG AACTAAGCCA ACTTGATGTN NCAAAGCACA GCTGTATATA ATGGTGATGT CATAATAAAG TTGTTTTATC TTTTAAGTAA	
25	SEQ ID NO:3556 SEQUENCE LENGTH:126 SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY:linear CLONE:HUMGSO4170 SEQUENCE DESCRIPTION:	
	GATCAAGGAC TCTGGATAAT TGGCATAACA TCCTGGAATA GCTGAAACAG AGATATTATT CTCTGCTGTC CTCTGTTGTC TTTGTCTTTT CACGTCTTAA TAAAAGTGCT GGTGACAAGA 1 GTGAAA	60 20 26
35	SEQ ID NO:3557 SEQUENCE LENGTH:123 SEQUENCE TYPE:nucleic acid	
40	TOPOLOGY:linear CLONE:HUMGSO4171 SEQUENCE DESCRIPTION:	~~
45	GATCAGAGCC ATACCCCTCT TCACCAATGG GAAGTCAAGA CACCTATGGG TAAAAGTTCT CTCTGATGCA TGAAAACTCA GAGTGATAAA GTAATTTTAA AATAAAAATT TGGAGAAAGC 1 AAA	60 20 23
50	SEQ ID NO:3558 SEQUENCE LENGTH:121 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	

5	CLONE: HUNGSO4172 SEQUENCE DESCRIPTION: GATCTAAAAG TTTTCACACA TAAATTTCAT TAATTTGAAA GATTATTTTT AAACTGCATA 60 GGTCCACTTG CCTCTAAATA AAATNAACCT AAAATAAAAA CAAACTATAC TTTGTGAGAA 120 A
10	SEQ ID NO:3559 SEQUENCE LENGTH:121 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS04173
15	SEQUENCE DESCRIPTION: GATCTCCCCC AACCCCACAA AATGCTTAAA AGATAACTTA GCTCTTTNTT CAGGGCTCAG 60 TCCTTTGGAT GTAATCCGAC TAGGCCAGTN AACCTAAATA ATAAATATCC TCCTCAACAA 120 A 121
20	SEQ ID NO:3560 SEQUENCE LENGTH:120 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
25 .	CLONE:HUMGS04174 SEQUENCE DESCRIPTION: GATCCTGAGT TTTCTGGGAC AATTCCAGCT TTAATCAATA CATTTTGTTA AATGTGCCAT 60 AAAATGAGAC TTTTTACGCC TTTATAAGGC CTTAGATGTA AATAAACTCA CCCAAACAAA 120
зо̀	SEQ ID NO:3561 SEQUENCE LENGTH:119 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
35	CLONE: HUMGS04175 SEQUENCE DESCRIPTION: GATCATTGTA TTCAGAGATT GTAAATGAAA AAATATAGAA ACTATTTAGT TTTGGTAGAT 60 TTTTTTTCTG ACAATGTGAC CAGACTGAAT TTCCTCATAA AGAAAAAATG GCGTGCAAA 119
40	SEQ ID NO:3562 SEQUENCE LENGTH:118 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear
45	CLONE: HUMGS04176 SEQUENCE DESCRIPTION: GATCCCAGCA TTTTCCATCG ACTTGTAATT GTTTCTGCTA CCTGACAATC ATCGCCTTGA 60 GTACTGGGAC AACCTTTGAT TACTCATTAT ATCCTCAATA AATATTTGTT GAACTAAA 118
50	SEQ ID NO:3563

SEQUENCE LENGTH: 118

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4177 SEQUENCE DESCRIPTION: GATCCTGGCT AGANTGNTAA CTAGTAGAAAA ATGATGTGAA	TTAAAAGTAT				
10	SEQ ID NO:3564 SEQUENCE LENGTH:82	ITTONTTECT	GIICGGCICC	TATTTICCIC	ATCATTTN	118
	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04179	acid				
15	SEQUENCE DESCRIPTION: GATCATAGTC GGGCATACTT NACTGTTCTC ATGGAGANGA		NTAACCTCTA	TATCTTTAAA	TAAATGTGAG	60 82
20	SEQ ID NO:3565 SEQUENCE LENGTH:214 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE: HUMGSO4180 SEQUENCE DESCRIPTION: GATCTAAAGC NTTTNTGTCA	ርልጥጥልጥጥጥል ል	ጥል ዋ ህ ል ጥር ል ር ጥ	ተ ቦ ል ፕሮ <u></u>	ጥተ ታጥሮ የሶጥጥ ል	60
	TNATGGCTGA CGTATTACTG ATATAAGCAA TTTTNCCCTA	TGGTGAAACA AGGATAAAGT	AAATATCTTT ACCTTTAAGC	AAAAGTTAAA	ACATCCAGAT	120
30	ATTAGGNAAA CTTTTCATTA	CATACTTGTT	TAAN			214
35	SEQ ID NO:3566 SEQUENCE LENGTH:102 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid	•			
	CLONE:HUMGS04181 SEQUENCE DESCRIPTION: GATCCCCNAA TGTGTATGAA	TGACTGAGGC	TTTGTAAATT	AAGGGACGTT	TGTTTGAATA	60
40	AAGTTATTTG ATGGGGTCAA	AGAAGCCATA	TGTGATTTGA	AA		102
	SEQ ID NO:3567 SEQUENCE LENGTH:101					
45	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4182 SEQUENCE DESCRIPTION:					
50	GATCCTCTCC TTAGTCTTAG GNAAAATNGG AACCGAGCTG				GGTAGAGGCA	60 101

	·	
5	SEQ ID NO:3568 SEQUENCE LENGTH:99 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4183 SEQUENCE DESCRIPTION:	
10	GATCTGCAGT GCTTCACTGG AAATAATTTA TTCATTGCAG ATACTTTTAA GGTGGCATTT NATTCATTTC CTGTGCTTTA AATAAACAAA TGTACCAAA	60 99
15	SEQ ID NO:3569 SEQUENCE LENGTH:97 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4184 SEQUENCE DESCRIPTION:	
20	GATCACCCTG GGCACATGTT GTCAGGACCT CCTGGGGTTG TGTCATGGAT GCGTGTCCTC AACCTTAGCA AAATAAACTT TCTAAATTAC TGAGAAA	60 97
'25	SEQ ID NO:3570 SEQUENCE LENGTH:95 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4186 SEQUENCE DESCRIPTION:	22
30	GATCTTCAGT GTGTCTGCAT AAGCTAACTT AAGATGAATT TAAGTACANN TTTCTGAAAT ATTTCTATTG AAATAAATTA CTTAAAATTA NNAAA	60 95
35	SEQ ID NO:3571 SEQUENCE LENGTH:94 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4187 SEQUENCE DESCRIPTION:	
40	GATCTTTGTG AATTCTATGA ATGTATTAAG TTATCATATG TACTCCCCAA AATAGGTACA TCTATTATGT ATCAATAAAA AANTTTAAAA CAAA	60 94
45	SEQ ID NO:3572 SEQUENCE LENGTH:93 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4188 SEQUENCE DESCRIPTION:	
50	GATCCCTTGA GCCGAGGAGG TTGAGGCTGC AGTGAGCTAT GGTCACACCA CTGCACTCCA GCNTTGGTTA TNATGCAAGA CCCTGTTTAC AAA	60 93

5	SEQ ID NO:3573 SEQUENCE LENGTH:89 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4189 SEQUENCE DESCRIPTION: GATCGCACAC CTTTGCAACA GATGTGTTCT GATTCTCTGA ACCTACAAAA TAGTTATACA TAGTGGAATA AAGAAGGTAA ACCATCAAA	60 89
15	SEQ ID NO:3574 SEQUENCE LENGTH:90 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4190 SEQUENCE DESCRIPTION: GATCAGTGTC TCTAGTCCTA CCCAGTTTTA AAGTTCATGG TAAGATTTGA CCTCATCTCC	60
20	CTCAAATAAA TNTATTGGTG ATTTTNGAAA	60 90
25	SEQ ID NO:3575 SEQUENCE LENGTH:87 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGSO4191 SEQUENCE DESCRIPTION: GATCCGCCAG GTGCGGGGGC TACTGCAGGC ACAGCAGGCC TAGGTCCTCC CACACCTGCC	en
30	CCCTAATAAA GTGGGCGCA GAGGAAA	60 87
35	SEQ ID NO:3576 SEQUENCE LENGTH:87 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4192 SEQUENCE DESCRIPTION: GATCCACCCA CACCTAAGTC ACAGAATTTC TAAGTTCCCC AACTACTCTC ACACCCNTTT	60
40	AAAGATAAAG TATGTTGTAA CCAGAAA	87
45	SEQ ID NO:3577 SEQUENCE LENGTH:83 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGSO4193 SEQUENCE DESCRIPTION:	
50	GATCAAACTG AATGAAACCC CCACACACAC ACACATGCAT ACACACACAC ACACAGCCAC ACACACACACA AATATACTGT AAA	60 83

5	SEQ ID NO:3578 SEQUENCE LENGTH:83 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS04194	
10	SEQUENCE DESCRIPTION: GATCCCTATT CTGCGTGTAT GTGTTTGCAC ATGAGTGTTT GTAGACCATA GACCATTAAA	60 83
15	SEQ ID NO:3579 SEQUENCE LENGTH:84 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4195	
20	SEQUENCE DESCRIPTION: GATCTATGAA TGTTTTTNTT AAAATTTACA AAGCTTTGTA AATTAGATTT TNTTTAATAA AATGCCATTT GTGCAAGNTT TAAA	60 84
25	SEQ ID NO:3580 SEQUENCE LENGTH:112 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4196 SEQUENCE DESCRIPTION:	
30	GATCACATAA AGGCAAGAGG ATACTTCATG AATAATACAT TTNAATGCAA ATAAACAGAT 6 GGTTCACTTC TACTAGCTAT NNCCCTGTCT TNNTATACAC TGAGTAGATT AN 13	30 12
35	SEQ ID NO:3581 SEQUENCE LENGTH:74 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4197 SEQUENCE DESCRIPTION:	
40		60 74
45	SEQ ID NO:3582 SEQUENCE LENGTH:74 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUNGSO4198 SEQUENCE DESCRIPTION:	
50		60 74

5	SEQ ID NO:3583 SEQUENCE LENGTH:71 SEQUENCE TYPE:nucleic a TOPOLOGY:linear CLONE:HUMGSO4199	acid				
10	SEQUENCE DESCRIPTION: GATCACTGTA TAGACTGTTA A AGACAGACAA A	ATTTGATTT	CTTATTACCN	ATTGTTAAAT	AAACTGTGTG	60 71
15	SEQ ID NO:3584 SEQUENCE LENGTH:71 SEQUENCE TYPE:nucleic at TOPOLOGY:linear CLONE:HUMGSO4200 SEQUENCE DESCRIPTION: GATCTATTTC TCTGTCTACT TO		TTGCATAATA	AATAAAATTT	TACTGTTTTT	60
20	TTAAAAGGAA A					71
25	SEQ ID NO:3585 SEQUENCE LENGTH:69 SEQUENCE TYPE:nucleic actopology:linear CLONE:HUMGS04201 SEQUENCE DESCRIPTION: GATCTAAAGA TGTTTAGGGA ACGAAGTCAAA		TAAAGAACAA	TGAAATAAAT	GGTCCAAGGG	60 69
35	SEQ ID NO:3586 SEQUENCE LENGTH:65 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUMGS04202 SEQUENCE DESCRIPTION: GATCAAAAAT GTAAGTCTAT TO		TAAGTAAAGT	ATTTATTGCT	ACATCATAGT	60 65
45	SEQ ID NO:3587 SEQUENCE LENGTH:53 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUMGS04203 SEQUENCE DESCRIPTION:	cid				
50	GATCTGTGTT GCATTTCAAA AT	FAAACTGGT (GTGTGCTCTG	CCTGGATTTG	AAA	53
	SEQ ID NO:3588					

5	SEQUENCE LENGTH:153 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04204	acid				
10	SEQUENCE DESCRIPTION: GATCTCAGCC CAGGACGNCA ACTGGTGGAA GAAGCCATCC AGTAGNCGAT GGNCNAAGNA	AGTGTGCAGA	AAAANTTGCC			60 120 153
15	SEQ ID NO:3589 SEQUENCE LENGTH:29 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4205 SEQUENCE DESCRIPTION:	acid				
	GATCCAAATA AAGGTAGCTG	CTGACCAAA				29
20	SEQ ID NO:3590 SEQUENCE LENGTH:64 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGSO4206 SEQUENCE DESCRIPTION: GATCTCTCTA CAAGAGCCCC GAGN	TGCCCCTCTG	TTGGAGGCAC	AGTTTTAGAA	TAAGGAGGAG	60 64
30	47.4					
35	SEQ ID NO:3591 SEQUENCE LENGTH:64 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4207 SEQUENCE DESCRIPTION: GATCCTTTGC GTGACAGTCT NCCN		ACAGATGCTG	ACAGAATTGT	AGACTACCAT	60 64
40						
45	SEQ ID NO:3592 SEQUENCE LENGTH:63 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04210 SEQUENCE DESCRIPTION:	acid				
50	GATCTCGCCT TGTTTCTTAC ATN	AAGCAAACCA	GGGTCCCTTC	TTGGCACGTA	ACATGTACGT	60 63
	SEQ ID NO:3593					

5	SEQUENCE LENGTH:63 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGS04211	acid				
	SEQUENCE DESCRIPTION: GATCTTTGCG AATTACAATG ATN	CATATATGTC	TATTTATTCA	ATATCTGTCA	TATAATANCT	60 63
10	SEQ ID NO:3594					
	SEQUENCE LENGTH:58 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
15	CLONE: HUMGSO4213 SEQUENCE DESCRIPTION:					
	GATCTTAAGA AAACTTCATA	CTGTATGAAT	AAGAAAATAA	AATATTTAAA	ACTTGAAA	58
20	SEQ ID NO:3595 SEQUENCE LENGTH:64 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
25	CLONE:HUMGS04214 SEQUENCE DESCRIPTION: GATCGCCAAG TTCAAAGCTG CAAA	TGCACATGTG	GACACTCAAT	AAATGTTCAT	TGGTGAAAAA	60 64
30	SEQ ID NO:3596 SEQUENCE LENGTH:56 SEQUENCE TYPE:nucleic	acid				
35	TOPOLOGY:linear CLONE:HUMGSO4215 SEQUENCE DESCRIPTION: GATCCAAAAA GAGTCGACCN	GCATTNTTTA	TATTAAAAAT	AAAGTCAAGA	TTTAAA	56
40	SEQ ID NO:3597 SEQUENCE LENGTH:52 SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY:linear CLONE:HUMGS04216	acid				
45	SEQUENCE DESCRIPTION: GATCTTTGTT AATGTCTTGA	TTCTGTTCGC	AAAGCACAĠA	CTAGTGCTTA	AA	52
50	SEQ ID NO:3598 SEQUENCE LENGTH:52 SEQUENCE TYPE:nucleic	acid			•	
	TOPOLOGY: linear					

	CLONE:HUMGS04218 SEQUENCE DESCRIPTION: GATCGCACCA CTGAGCTCCA	GCCTGGGCAG	CTGNATGAGA	CTNCATCTCA	AA	52
5	SEQ ID NO:3599 SEQUENCE LENGTH:51					
10	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
	CLONE:HUMGSO4219 SEQUENCE DESCRIPTION: GATCTGGAGG GACACACAGG	AGACACCTGG	CATAACCAAA	AAATGATTAA	A	51
15	SEQ ID NO:3600					
	SEQUENCE LENGTH:51 SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY: linear CLONE: HUMGS04220					
	SEQUENCE DESCRIPTION: GATCGAAAAC ATATAGANAA	AATAAAATGT	GTGGTTGCAC	CTGTACTGAA	A	51
25	SEQ ID NO:3601 SEQUENCE LENGTH:466					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
30	CLONE: HUMGS04247 SEQUENCE DESCRIPTION:					
	GATCTAGAGG AGGATTTGCA ATGGGAAGNT ATCCAGGCGA	GGTGGTCATC	AAAATAGCTA	CAAACCATAC	TAAATNATTC	120
	CATTTGCAAC TTATCCCCAA GANGGTGGCT CCTGCCACTG					
35	TGAATGGAAG TATGACGTTG	-				
	ATTTGCTTTC ATTGTTTTAT					
	CCTTTCCCCC AGTATTGTAG TGTAGTAGTG NCTACTGGTT				AGTGTCATGA	420 466
40						
	SEQ ID NO:3602					
	SEQUENCE LENGTH: 429 SEQUENCE TYPE: nucleic	acid				
45	TOPOLOGY:linear					
	CLONE: HUMGSO4248 SEQUENCE DESCRIPTION:					
	GATCTATAAA TCAAGAAAAT	CCATTGTCAT	AACCATTTTT	AAAAGTCAAT	AATTAAGACA	60
	TCCTTAATTA AAAAGTTTCA	AATCTAGACA	CTAAATGTGT	GTGAATGTAC	AAAGAAAACA	120
50	AACCATTGCT TATGCTGTTA					
	ACAGATGAAG GACTTTAGTT	GAACTTCATA	TTGTAAGAAC	TGTTAATAAA	AGTTGTCAAG	240

. 5	i.	TAAAAAGCGC TATATCTAAA TTTAAACCTG CCCAGAAATT TTNAGGCTTG TTATTTGTCA TNGTGGAAA	ACCTTGGTAT	CTGAAGTTTC	CCTCTGTCTC	CTCCCTCTAA	360
1(o	SEQ ID NO:3603 SEQUENCE LENGTH:419 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4249	acid				
1:	5	SEQUENCE DESCRIPTION: GATCTGTTGT TTGTTTTTAA CTGGTAAACC TATAAATTGG TNCTCTAATA TTTGGATATA TACAGTACAT ATGTNCAGAT	TCAAATTTNA GGGTATATGA TTCTTTTTCT	CCCATGTTGT NCATTAATGC AACCTTATTT	TTCTTTGAAA AACTTAATTG AGTGATAGAG	ACAATGTATA TATTTCCAAG GTGTGGTAAA	180 240
21	o	CNCTTCCATT ATGTTTATGT TATGTAACTA GATGCATACA TGATATTTTT ACATAGCAAA	GGATTAGGTA	TTTCCTTCTG	TATTCCTTTT	TATGTGGAGA	360
25	5	SEQ ID NO:3604 SEQUENCE LENGTH:419 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04250	acid				
31)	SEQUENCE DESCRIPTION: GATCTGCTAG TTCCAGGCCT CAGACTCAAT GAGGCAGAAA TNCTTGTATT TCAAAGGCCA	TTATTGTAGT	TTTCTCCTAT	TTCTTCTGCA	CCCAACTTTC	
38	5	TGCTTCTATT CCAAATCATT AGNCCTCATC CCCTATTTCT GTTCATCCAA AGTCTNNCCT AAGGGTTGAG GGGGNTTTAN	GTCAGACAGT GNAGTGCTAG	TATATGACAG NCTTTCAGAC	GGTGGNCNGN TCTTATCACT	GGGCCTCTTA GGAAATCNTT	300 360
4()	SEQ ID NO:3605 SEQUENCE LENGTH:404 SEQUENCE TYPE:nucleic	acid				
45	5	TOPOLOGY:linear CLONE:HUMGSO4252 SEQUENCE DESCRIPTION: GATCCGACAC AGAGAACAGG TACATGGAAA ATGGTGATAA					
50)	TGTAATTCAG AAGAGTTAAG CTTGCCTAGT GAGGCTTTTC TGTAAGGACC ATTAGCTGCA TGGTCTTGAC TTCTTAGCAA	CGAACCTGGA AGTCAGTGGA	AGGAGACGTC AGTCTATAGA	TAGAAATCCC AAANAGTGTG	AACTTTGCTG AATTCCATAG	240 300

	AAGCATGTTA ACTGCATGAN ATATTAANCA TTTCGAACTT CAAA	404
	SEQ ID NO:3606	
5	SEQUENCE LENGTH: 403	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS04253	
10	SEQUENCE DESCRIPTION:	
	GATCCATGAA TTAACAGAGG CATATATTTA AAATGAAATT TAATGAGCAC TTAGTGACTT	60
	CATTTGTTCA AGAATATTTG ATTTCCTATT GTGTGCATGG GAGGTTTACA AAAGACAGAC	
	TGTCCCTATG CTTGTNCAGC TTACAATCTA TTTAACTATT AGAGGCCCTG TGAGATGTAG	
15	GCAGTTATTT ACAGATGAGA AAACTAACAC AGCAGTGGCA ATGCTGGGAA TGGCCAACAG	
10	GCTTGGAATT CAACTCAGTT TAGCACCAAA GCCAGTNCTA TTAAGACCTG AAGTTCAACA	
	GTGGATTCCT TACCCAAATA GTTTTTAAAG TATGCTCTAA GGNCCAATGT TTTTAATGAA	360
	ATCTTGGNTT NCAAAGTNGG NNTAAAAGGG TTCTGAGCAT AAA	403
20	SEQ ID NO:3607	
	SEQUENCE LENGTH: 396	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
25	CLONE: HUNGSO4256	
	SEQUENCE DESCRIPTION:	
	GATCTTACTT CGTTGACCCA TATTTTTCCC CTGACCAAGT TACCTGTAAA CTGGAATTTG	60
	CAAGGGGATG CTGTGATGAT AACCCCTTTC TATTGCTGTA ATGTTCATAT AACCTGGGAA	
30	ACTGAGAGAA GGGGATGTGT AAATAAAAGC TTAAACATTT TAGTAATGTG TTAAAATGTC	
00	ACTITACTOR ATCACTOTAL ACCOUNTS AND ATTACTOR CONTROL TO ACTITACTOR ATCACTOR ACCOUNTS AND ATTACTOR ATCACTOR ATCAC	
	ACTITACTGG ATGACTGTGA AGCGNTGAGT ATTGGGTTGG GGTAGGTGTG TTGATTTTGA : GAGTGCATGT TAAGACCTGA AGGGGAACTA CTTGAGGATG ACTTAAGAAG CATCCCATGC :	
	AAAMAMCAMA MAMAAAAAAAAAAAAAAAAAAAAAAAAA	
	DEFINITION ANIMANIA HOMA	396
35	SEQ ID NO:3608	
	SEQUENCE LENGTH: 392	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
40	CLONE: HUMGS04257	
	SEQUENCE DESCRIPTION:	
	GATCTGCCCG CCTTGGCCTC CCAAAGTGCT GGGATTACAG ACATGAGCCA CCACGCTTGG	60
	CCGGGATAGT ATATTTTAT AGCACTTCCC CTACTGATTG CTGCCTTCTC TGTGGCTACA	120
45	AGGGACCCAC AGAATTACAG GGAAGTTACA GGGNNGCAGG TITCATCTCA ATATTGGGAG	
	AGATTTCAAA CAATCACACC NNNNNNCGA AGGAGTGGGC TGTCACTAGG AATTTTTATT 2	
	CCCAGTCCGT CAGGAATTTT GTAGAAGGGC TTCATGTGCT GGTACCAATA GGACAGGAAG	
	ATTTTAATCA GCTTTACTAT CTATGTTTTT TTATGGAAAC TGTGTGTATG TATACATACA	
50	TTTTCCAAAA AGNANAAATT AAATGATTAT AG	392

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SEQ ID NO:3609

	SEQUENCE LENGTH: 392 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
5	CLONE: HUMGS04258					
	SEQUENCE DESCRIPTION:					
	GATCCGCCCA CCTCCGCCTC	CCAAATTGCN	GGGATTACAG	NCCTNAGCCA	TNCCCACCCG	60
	GCCAATAAAA ATTTTTTAA					
10	TATGTTAAAT ATTTTAACTT	AATGAGAGAA	ATAGTAAGAT	GTTACCAGTT	ACTTGATGAT	180
	GGAGGAAAGG ACGAAAAGCC					
	ANGGAAAGGT TCTACGTTAG	NGCTTCCAGA	GGGAGCTCAG	CCCTGTCANC	ANCNTNGTTT	300
	CAGCTCAGTC ATATCGNTGT	TTAGACTTTC	TGGTCCCCAG	NGCTGGGCGG	GGGATATATT	360
	TCCTGCTGTT TTAAGNCNCC	NNATTTTGTG	GN			392
15						
	SEQ ID NO:3610					
	SEQUENCE LENGTH: 391					
	SEQUENCE TYPE: nucleic	acid				
20	TOPOLOGY:linear					
	CLONE: HUMGS04259					
	SEQUENCE DESCRIPTION:					
	GATCCTAAGG GGTTCAGGGG					60
25	ATGCTCCACA CCAAAGCAGG					
20	GGGAGACTTT CCTCCGATGT					
	CCTCCAATTC CAGCCACTTG					
	AGGGGGTGGG CATATTCTGG					
	ACAGGTGGTA GGAGAGCCCC			GCTGAANGCA	CTTTTGTACA	360
30	TGTAATGTAT TATATGGGGT	CTGGGGCTCC	N			391
	SEQ ID NO:3611					
	SEQUENCE LENGTH: 386	. ,				
35	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04261					
	SEQUENCE DESCRIPTION:	OF CT COMOTO	#0.1 #1.0000#	05 + 50 55 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		
40	GATCCGACCG CGTGNTGCCG					60
	CAGCCCCCTA GGAGCCAGTN					
	TCCTGGGCTT CTGGGCCACC					
	CGTGTCCCGG GGCTTTTCCA TTACATTTTT NAAGCACCTG					
	TAATATTTT AACTTTGCCC					
45	TTAAACTCTT AAACTTTTCT		IAIACCIAAI	MUMATRIATI	IAAIINIGAA	
	IIAAAUIUII AAAUIIIIUI	ICCAAA				386
	SEQ ID NO:3612					
	SEQUENCE LENGTH: 375					
50	SEQUENCE TYPE:nucleic	acid				

55

TOPOLOGY: linear

	CLONE: HUMGS	04264					
	SEQUENCE DE						
_	GATCCCTTTG (
5	ACCAGCTAAA 1	TCATGACACC	TTCAATTTGC	CATCATGACG	CAGACCTGTA	TACATTAGGN	120
	TAAATCTGAA 1	TTTCCACTGC	TTTGGAGAGT	CCCACCCACT	AAGCACTGNG	CATNNAAACA	180
	GGTTCCTTTG (CTCAGATGAA	GGAAGTAGGG	GGTGGGGCTT	TCCTTGTGTG	ATGCCTCCTT	240
	AGGCACACAG (GCAATGTCTC	AAGTACTTTG	ACCTTAGGGT	AGAAGGCAAA	GCTGCCAGTA	300
10	AATGTCTCAG (CATTGCTGCT	AATTTTGGTC	CTGCTAGTTT	CTGGATTGTA	CAAATAAATG	360
	TGTTGTAGAT (GGAAA					375
	SEQ ID NO:36	613					
15	SEQUENCE LEN						
75	SEQUENCE TYP	E:nucleic	acid				
	TOPOLOGY:lir	near					
	CLONE: HUMGSO)4265					
	SEQUENCE DES	SCRIPTION:					
20	GATCCTAGAC C	CAGCATGCCA	GTGTGCCAAG	GCCACAGGGA	AAGCGAGTGG	TTGGTAAAAA	60
	TCCGTGAGGT C	CGGCAATATG	TTGTTTTTCT	GGAACTTACT	TATGGTAACC	TNTTATTTAT	120
	TTNCTAATAT A	ATGGGGGAG	TTTCGTACTG	AGGTGTAAAG	GGATTTATAT	GGGGACGTAG	180
	NCCGCNNTCC C	NNGTGTTGT	AGGTTTCTCT	TTTTCAGGCT	TATACTCATG	AATCTTGTCT	240
25	GAAGCTTTTG A	AGGGCAGACT	GCCAAGTCCT	GGAGAAATAG	TAGATGGCAA	GTTTGTGGGT	300
25	TTTTTTTTT N	IACACGAATT	TGNGGAAAAC	CATTAANTCA	TTCAAAATAA	TAANCTNTTT	360
	TTATTNGGGA A	LA					372
	SEQ ID NO:36						
30	SEQUENCE LEN						
	SEQUENCE TYP		acid				
	TOPOLOGY: lin	ear					
	CLONE: HUMGSO						
35	SEQUENCE DES						
	GATCTAAATA T						60
	AGACTTTGAC A						
	GCCTGCTAGC A	TGCCAATCC	AATCCCATGA	CTGATGTTAT	TATACACTAT	GGCAAATACA	180
	AAGTTGTAGT A	TTATGGTTC	TTGATGGTGT	GATTTACTTA	TGTAAATTAT	GTACAAATTT	240
40	AAGTTCAATG A						
	TCCTGTCTTG C		ATTTTTATNA	TCTTCAATAT	TAGANTAAAT	GCTAAATTAT	360
	TTTCATTTTA A	ı.A					372
45	SEQ ID NO:36	15					
40	SEQUENCE LEN	IGTH: 370					
	SEQUENCE TYP		acid				
	TOPOLOGY: lin						
	CLONE: HUMGSO	14267					
50	SEQUENCE DES	CRIPTION:					

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GATCTGAACT CCTTATACAT AAGAAGGTGT GTATATTAAT CCAATTATGG ACTTAAAATA 60

5	TTTTAAAAGT ATAAATACCC AGCAATATTT TTAAGTGCTC TGGTCAATAA TAGGTAATGC TGCTTATTTT CTGTCAACAC ACATCCCNGT TTAAAAGTAT TTTTTTTAAA	CATTTTAATG AGGTATGTTC TAATGAAGTC	CCGAGGAATA AGGTTAAGCC AACATTGCCT	AGTCTTTTGG AACAATGTTT GAATGTCTGA	CAACACAAAC TGCATTTTTA ATAATGAAAC	180 240 300
10	SEQ ID NO:3616 SEQUENCE LENGTH:370 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04268	acid				
15	SEQUENCE DESCRIPTION: GATCCCATTA TATAGTATGT CCTCTAACCA AAAAATTGTT					60 120
20	TNAAAAATCC NTTTCTCCTC CTTTGAAGAT GAGTTACTCC AGATGTCAGT TTTGANCCAA NCTGTGNAAT TGCTCTTTGG GTGATGGGTN	TTGTCATCTT GAATTGGTGA	ACAAATATGT TTTGTTTATA	GATATGGTAA AGAAAAAAAC	TTTNCATAAC TGGCTTCATT	240 300
25	SEQ ID NO:3617 SEQUENCE LENGTH:368 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04269	, acid				
35	SEQUENCE DESCRIPTION: GATCCCTGCT CAAGCAGCAC CCTGCAGAGA AGAAAGTNAG CANTTGGACT AGGGGCAGTN	AGAGGAAGGG GCCGGGAGCN TTAATTTTNA	TGAGCCTGGG AAAGGTGTGG	CTGGAGCNTT GTCCCTGTTT	CTCCCCTCCC CCTCTTCCAG	180
40	GGGTCCAAGG GAACAGGAGA CCACCCCGTG TATCATAGGG GATTTTNACT CCCTTTGTAC CTNTTAAA	AACTTTCACC	TTAAAATCTT	TCTAAGCAAA	GTGTGAATAG	300
	SEQ ID NO:3618 SEQUENCE LENGTH:364					
45	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4270 SEQUENCE DESCRIPTION:					•
50	GATCGGCCCA GCTCCTGAAC CTGCACAGGT ACCAGCCTCT NCTTGAACTA GACTTCTGAT	CCACTCCTGA	CCGGGTTGGT	GCTGAACAGT	CAGGGATTGT	120

55

AAATAAACAA NTACAATAAC AAATAGTAAT TAANTGACTT TCAGGATAAC ATCTAGTTGT 240

	TCAGACTTCA CCCTTCAC TTTGAATTTA TTTTACTC					360
	unn					364
5	SEQ ID NO:3619 SEQUENCE LENGTH:363					
10	SEQUENCE TYPE:nucle TOPOLOGY:linear CLONE:HUMGS04271					
	SEQUENCE DESCRIPTION GATCTGAAGC CTTCCATA CACAGGTACC AGCCTCTC	AA TNAGAGGCCA CA CTCCTGACCG	GGTTGGTGCT	GAACAGTCAG	GGATTGTTCT	120
15	TGAACTAGAC TTCTGATG TAAACAAATA CAATAACA GACTTCACCC TTCACAGG	AA TAGŤAATTAA	ATGACTTTCA	GGATAACATC	TAGTTGTTCA	240
20	GACTTCACCC TTCACAGG GANTTTATTT ACTGGTAT AAA					
20	SEQ ID NO:3620					
25	SEQUENCE LENGTH:361 SEQUENCE TYPE:nucle TOPOLOGY:linear	ic acid				
	CLONE:HUMGS04272 SEQUENCE DESCRIPTIO GATCCAGGAT GTACTTGG	•	GGCTTATCTA	GGAAGTCGTG	TCTGGGGTGC	60
30	TTATTGCTGC TCCATACA GCAANNNGC AGCTTTCA CCAACTGTAC CTGGGTAG	CT CAGTGACACA	AGTAATTACT	GAGTCCTAAT	TTGATAGCCA	180
35	TTAATTACCT TATTTTCT ANCCTCCCTA TAAATTCA A	NT TATGCTTTNC	CTCTGTCTTG	TAATCNTNCT	CTTCCTAAAA	300
	SEQ ID NO:3621 SEQUENCE LENGTH:359					301
40	SEQUENCE TYPE:nucle TOPOLOGY:linear CLONE:HUMGSO4273 SEQUENCE DESCRIPTION			·		
40	GATCCAGATN CTTTCGGA' GAGATTTTAG TTTGAATA	TG TCAGGGATAT	CTTCTTACAA	CAAAACTTAG	AACGGCTTCT	
	AACTTATTTC TTCATGGCC TCTTATTTCT AATGTGTA AAAAGATTTA ATTTATAG	NA ACAGGTTTTA	TATAATAAA	ATAGATTTTG	CATTTATAAA	240
	TTACAGAAAA AGTTGCTG					

5	SEQ ID NO:3622 SEQUENCE LENGTH:356 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04274	acid				
10	SEQUENCE DESCRIPTION: GATCTACAGC AGCTGCATCG GGCCATCTCA GCTATAGCCG CACCAGGTCT CTCTGCAACT CCAGAAAATT CCATGGACAC TGNTGAAACC TNTTCTTGGG	TCTTCCTGGT CCATCATCTC CCCCTGGAAC TGAATTTGGT	CTTGGTGTCT CTTGAACACT TGCTCTGCAG ATTGTGGTGT	GNCTGTATCC ACAATNAGCT TTTTACTCCA GTGGTCTTGG	TTCGATTTGG GTNCTGAAGC ACCTACACAA TGCTCCAGGT	180 240
15	CGTGCAGTGG AAGTCTGAAG	CCACCCCATA	CCGGCCTCTG	GAGAGGGGTG	ACCCTN	356
20	SEQ ID NO:3623 SEQUENCE LENGTH:420 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4275 SEQUENCE DESCRIPTION:	acid				
25	GATCCCCCCT GNCAGACACC GGACATCAGC CTNGCCCAGC GTCAGACGAT GTGCCAGACA AGCCTGCCCC TCGACCCCCA CTCTGCCCTA GCCGAGGGAC	CTGAAAGCAT TCACCTCANA GAGCCCAAGG	CCGNAGTGAC TGAGTGTGGC TGCACCGAGC	CTAGAGAGTT TCCCCCCGCT CCAAGTGCCC	CTGATGCACA CCCATACTGC ATATGAACCT	180 240
30	AAGTGGAATG AATGCTCCTG TTTTTTTTT GCCCAGGGGN	TTCTGAGANG	ACACTTGTAA	CTGCATCTTT	TGGAATTTTT	360
35	SEQ ID NO:3624 SEQUENCE LENGTH:352 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04276	acid				
40	SEQUENCE DESCRIPTION: GATCAGAATT AAACTAGTAC TACAGAGTCG TGCACTTCAT TCCCATCGTA AATACATCAC NATTACTTCA AGCNTTGATT	TGGCTGTAAC GAGGCCAGCT	TGTCAAACTT GTGTGATTTC	GCCTTGTATT TGAGACCTAG	AGAAGTTAAA ATGAGAGTCC	180
45	AATCAATNTT ACAAGGTTTT NNGGTTNCTA AGGCTANTCC					300 352
50	SEQ ID NO:3625 SEQUENCE LENGTH:348 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04278	acid				

	SEQUENCE DESCRIPTION:					
	GATCTCCAGT NGGCCTTTGC	AGGCCCGGCC	TCCTGCCTCT	NGAAGGCCTA	NCACGGGCCC	60
	GGCCTCGGCC TCGGCCTCAC	AGCAGACTCT	CCACGCCCAG	CTAGCTCTTG	CCTCACTGCG	120
5	GCCTCCCCAG TCCAAAGCTC	CTGCCTTTNG	GCCACTTCGG	CAGGTCCAGC	TCCTGCCTGC	180
	CAGTGGCCTC TTTAGGCCCA	GCTCATTCCT	CACGTCGGCC	ATTCCAGGCC	CCGTTTTTCC	240
	CTTCCGGCAG CCTCTTGGCC	TCTAATTTGT	TTATNTTTTG	TGTATAAATC	CCAAAATATT	300
	GAATTTTGGA ATATTTCCAC	CGGGGGNGTA	AATATTTTGA	TAGGTAAA		348
10						
	SEQ ID NO:3626					
	SEQUENCE LENGTH: 347					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear				_	
15	CLONE: HUMGS04279					
	SEQUENCE DESCRIPTION:					
	GATCTTTATT AAGACAGTGG	AAAGTATACT	ATTAAGTCAT	CATAGTCTTT	TGGAGACTTG	60
	TCAAANACAG CAATNAGAAA	ATAAGACCTA	GCATACCGTG	GAGAACCATT	AAAAATTTNA	120
20	NANGAAACAA CAAGTATTAT	ĢTCAACTTAC	TTCAAAGGCG	AGTTTTGGGA	TTTNATGCAG	180
•	TAAAGATTCC CTGTTTTATG	ATTGTCCCTT	GAAAGTCAAA	TGGGGGCCTG	TCCATTGTCC	240
	TCTATTAANC TTNCAGAACT	GTCACCAACA	AATTTGAGTT	GCCTTGTCTA	GGGTTCTGGG	300
	TAGTGAAGAT ATTNNATNAT	ATAATNAAAT	ACACTGTTAG	TACTTAN		347
25						
	SEQ ID NO:3627					
	SEQUENCE LENGTH: 341					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
30	CLONE: HUMGS04280					
	SEQUENCE DESCRIPTION:					
	GATCAGAGGA GGAGTGTGAG					
	GATTGAAGAA GCGGTTCCTG					
35	AACAGATGGG GAACAATGGC					
	GTCTTTACCC ACGAATGGTG					
	TGGAGTTAGG TCAGAAGGGG				GACATTTCTT	300
	AATCTNTAGG CTTCACCTTC	CTTAACTGAA	ATTAAAAGCC	N		341
40	SEQ ID NO:3628					
	SEQUENCE LENGTH: 341					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acru				
	CLONE: HUMGS04281					
45	SEQUENCE DESCRIPTION:					
	GATCGACCTG TCATGTTTTT	AAGGTTATCC	AGGCTGTATA	TOTOTOGAAN	AGAAGGGAAT	۴n
	GGCAAAGAGT GGGAGTCTGA					
	TAATCCAGGC TGCAGTACAC					
50	TCTTCCTGCC TCAGCCTCCT					
	TTATTTACCC TACTCACTTG					

	TTCTNNATGG GGATTACCTA	TTAAGGGGAC	ТААСАСАААА	N		341
5	SEQ ID NO:3629 SEQUENCE LENGTH:340 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE:HUMGS04282 SEQUENCE DESCRIPTION: GATCATGGAA CCCCTCTTCC GGCAGAGCGA GCTCTCTATT					60
15	CGCAGCGAAG ATTCTGCCCN GGAACAAGAC AATACATGGC AAAAGCTATT TGATGACTGT	NNCATGTTTC TTGATATACA	CTTCCTTGTA ACGCCCTGAA	CCGCAACTCA GCTCTTCATG	AAGACCCATT GAGATGAACC	180 240
	AANTGNAAGA NCGGGNNGAN SEQ ID NO:3630	GCATGGGTTA	AATTAGAAAN			340
20	SEQUENCE LENGTH:339 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid		·		
25	CLONE: HUMGS04284 SEQUENCE DESCRIPTION: GATCTGCCAC ATGTNTGAGG					60
30	NAGCAGAGGG AAGACATTGA TCTGGACCTG GTTGAAGCAG ATGCTTTTNA ATGTNCTTAG GGAACCTTAT CTCTTGAGAT	GAAAGATGGA TGATACTGAC	GGCAAAGTAG CTGTGATAAT	TGAAATAATC ATAATTCCCA	CAGAATTTCA GGGAGGACTG	180 240
30	GTNCATTTTG GTAATAAACT SEQ ID NO:3631			TIAAUCCICA	TICICCITI	339
35	SEQUENCE LENGTH:339 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
40	CLONE:HUMGSO4285 SEQUENCE DESCRIPTION: GATCCAGCCA GTATAGAACT TNGATTGTNT TCCTTCAAGG					60 120
45	TGCTGCAAAA AGCACCAGTG GGTCCTGAGA TAGTTACCCA TGAGCATGGA CCATAGAAGG	CTGAAGATGC TAAAGAGGAA GCTCAATGTA	TGCAAGACCA TCCTTTGAGT GANTGAAACT	AATCATAGCT GTATGCCATT	CATAAAATCA GGTGAGCCGA	180 240 300
	TTGGNTTAAA ATGGCTACTT SEQ ID NO:3632	TUGATGGGNA	CCAGTGTCN			339
50	SEQUENCE LENGTH:337 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				

	CLONE: HUMGS04286					
	SEQUENCE DESCRIPTION:					
	GATCAGAGGG GAAACAAACG	CCAAGGGGTT	GGGAATGGGT	CGGCATCTGG	AGTCTGAGAC	60
5	AGCTGCCCTC CTGCGTCAAG	GGCTGGGGGC	CTCAGCTTCC	ATCCTGTGCC	AGCCTCCATG	120
	TGGACAGCTC AGCTTATTGT	CCACCACCTG	GAAATNCCTC	GAAGCTTCAT	NNGTCCAGGT	180
	CAAGAGAATC CTGTTCCCAG	ACCTCTGCCC	AGCCAGGCCT	TCCCAGCTCA	GGGCTGACTC	240
	CTGCACCAAG TGACGCACTT	TTNATAACTG	GTCTACCAAT	GNCTCCCCTT	CAAGTGAGAA	300
10	CTACCCTTTA CATTTAGGAG	TGTGGCCCCG	CAGTAAA	•		337
10						
	SEQ ID NO:3633					
	SEQUENCE LENGTH: 337					
	SEQUENCE TYPE: nucleic	acid .				
15	TOPOLOGY: linear					
	CLONE: HUMGS04287					
	SEQUENCE DESCRIPTION:					
•	GATCCCTGTA TGCNGCCAAG					
20	TTTACAGGAA TTTTTTTAAA					
	ANTCAGTTTT ATGANGAGTA					
	GGCAAACATT TTNNTGGGAG					
	ATTTTTACTC CCACTGTATT			TATATCTTGG	AAAAAAANCT	
25	TTCTGTTTAA AAAANTTAAN	CAAGTGAATG	TNGGAAN			337
	0F0 ID NO. 0004					
	SEQ ID NO:3634					
	SEQUENCE LENGTH: 390	. ,				
	SEQUENCE TYPE:nucleic	acıd				
30	TOPOLOGY:linear CLONE:HUMGS04288					
	SEQUENCE DESCRIPTION: GATCCCACTG ATTGGCCAGC	0010001011	CC 4 CC CT CCT	CCATCCCACT	CACCCCCCC	60
	TCCAGCTTCC TCTNAGCCGC					60
35	GTCGTTTTGT TGCCAAGGCA					
	TCCTTTACCC CACATATGCA					
	TTACANCATG AAATATAGTT					
	TCCTTTCTCC AGTGTACATG					
40	ANNGGGTTTT GGTNGNGNGG		MMIAMMII	WITICAUCAA	UDDINDAALD	390
 0	Minddilli ddindndhdd					330
	SEQ ID NO:3635					
	SEQUENCE LENGTH: 73					
	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY: linear					
	CLONE: HUMGS04289				•	
	SEQUENCE DESCRIPTION:					
	GATCTGGCCA TTTGGTACAT	AATCCAGCAC	AGATAAGCTG	GGTGGTAATG	ATAATAAAA	60
50	**************************************					72

	SEQ ID NO:3636	
	SEQUENCE LENGTH: 328	
	SEQUENCE TYPE: nucleic acid	
5	TOPOLOGY: linear	
	CLONE: HUNGS04290	
	SEQUENCE DESCRIPTION:	
	GATCACCTGG GTTTCTTTAT TTATCGACTG TGTCATGACA AGGAAACTTA CAAACTGG	
	CGCAGAGAAA CTATTAAAGG TATTCAGAAA CGTGAAGCCA GCAATTGTTT CGCAATTG	
10	CATTITGAAA ACAAATITGC CGTGGAAACT TTAATITGTN CTTGAACAGT CAAGAAAA	
	ATTATTGAGG AAAATTAATA TCACAGCATA ACCCCACCCT TTACATTTTG TGCAGTGA	IAU 180
	ATTITITAAA GTCTTCTTTC ATGTAAGTAG CAAACAGGGC TTTACTATCT TTNCATCT	
	TTAATTCAAT TAAAACCATT ACCTTAAA	
15	TIMETOMI IMMOCRIT ACCITAM	328
	SEQ ID NO:3637	
	SEQUENCE LENGTH: 328	
	SEQUENCE TYPE:nucleic acid	•
	TOPOLOGY: linear	
20	CLONE: HUHGSO4291	
	SEQUENCE DESCRIPTION:	
	•	
	GATCCTGTGA ACCGTTACTT TGCCTAAATC ACTTGAGACT TGAGTNTTTA ATAACAAA	
25	ATCAATATTC ACTAAAGTCA ATCTNTTTTN ANTITCTGTN ACTTGGCTAG AAGCTCTT	
	CACTAAGGGA TTAGTGTTAA TTTTCCCTGG GGGTGTTCCA CTAGGGCATT ACTGTATA	
	GACTTGATGT TGCCACATAG ACTTCAAGAT ATATAATATT TTNAGGATTT TNTTGATT	
	CCTATGTTTT ATTGCATAGT GTGAACCGTG TAAAGCTTGG TTAACCTGTA TATAGATA	
00	TTATTGTTGA CTAGTTATAG TGTATTTN	328
30		
	SEQ ID NO: 3638	
	SEQUENCE LENGTH: 326	
	SEQUENCE TYPE:nucleic acid	
35	TOPOLOGY: linear	
	CLONE: HUMGSO4292	
	SEQUENCE DESCRIPTION:	
	GATCCTTTCC CTGGATACAT AACCCTAGTA GATAATGTTA CTGCAAGATG TAATGNCC	
40	ATCCAACCTA CTGCAAATNT TACTATGGAA ATCTCAATGC AAAAGTAGCC TTTGTNAT	
40	TTTTTTTAAA CCGTCTCCAT AACAGANCAC TTAGAATTAT TAGCCATTTG CTGCAAAG	
	TTTGTTTTAA AATGTCTGGC ATATACACCA CTAACATTTA ANTGCCCAAC ATTCGGTC	
	TACGTGAAAA ACCTAGANGA AANGCCCTGT TGGAGTTTTG ATGTAGAGTG CAATANTA	CA 300
	TCAATAAAGG TATTTTAAAA TGGAAA	326
45		
	SEQ ID NO: 3639	
	SEQUENCE LENGTH: 326	
	SEQUENCE TYPE:nucleic acid	
50	TOPOLOGY: linear	
	CLONE: HUMGS04293	
	SEQUENCE DESCRIPTION:	

	GATCTGTTGT ATGTAATAAG	TAACACAGAG	TTTTAAAACA	AATTAATTAT	TTAGCTTTAT	60
	TGAAGTTTGT NTTTTNCCTT	CCGAACCTGG	AGTATCATAT	TATAAACAGC	AGTTTCACAC	120
	CAGAATAGCA GTGCCCTTNC	TTTTTGTACA	TACTGATTGG	NCCTTTCTTT	ACTGTTACGT	180
5	GGACACTTTC TATGTTAGTT	TTGATGCATA	ATTCTTTGAA	TCCTTTTATA	CAAACTAGAA	240
	TGTATGTGTA AGAATACCTG	TCCCTGCAAT	GTAGTAACTA	CAAACTTATT	TTTAAATAAA	300
	TAGAAAACTT GTTTTTCTAA	GCTAAA				326
10	SEQ ID NO:3640					
	SEQUENCE LENGTH: 325					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
**	CLONE: HUMGS04294					
15	SEQUENCE DESCRIPTION:					
	GATCCAAGAG TTTAGTGATT					
	TGGGCAGTGG TTCACTTTAA					
	CTAATAAGTA ACATACCCAA					
20	ATTGTCTAGA CTTGCATCTA					
	CTGTGTAAAC TTTGTTTAAA		ATACTACATT	GTCAGTTTTT	GTCTTAATAA	
	AACTATAGAT TTATAATCCC	TGAAA				325
	SEQ ID NO:3641					
25	SEQUENCE LENGTH: 391					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY: linear		•			
	CLONE: HUMGS04295					
30	SEQUENCE DESCRIPTION:					
	GATCGGAATT TCCACCAATC					
	CAGCGCCACG CCACAGGCTT					
	CCCGNCCAGA CCCTTTCCCG	AGGTCCGNCC	TCTCCGCCTT	NTCTNTAAAT	TCCTCTTTTG	180
35	AGTNCCCTCC CTTCCGGTTG					
	TGAACTGTGG AGGNGGNGGG	NCTCCNTTGT	GGACTGATTT	GCGTGGGGAT	TTGGTNTGTT	300
	TTATTAAGGG ATTTGAAAAA			TATGGACTGT	TNGGGTAAAT	360
	ATTNGCTTNC NGGGTTAATA	AAATGGACAG	N			391
40	SEQ ID NO:3642					
	SEQUENCE LENGTH: 324					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
45	CLONE: HUMGS04296					
	SEQUENCE DESCRIPTION:					
	GATCCAGTCA ATACATGCAG	ACCAGTAAAA	TCTGATTTGT	GCAGAGTTCT	CCATCTGACT	60
	CTCACTTATT TCTGTAGATA	TATACATATA	TAAATACAAG	TATGTNCTTA	CGGCACAGTA	120
50	TTGCTGACCT TTAGTTCGAG					
50	CTATCCATGT GAGTGTGTGA					
	TGTTTTGTGT TAGTTTATTG	TAAACAGCCA	TTTGTTGTAA	ATNATTATTG	GCATTAAATT	300

	ATAATTTATG ATTTTCAAAG CAAA	324
5	SEQ ID NO:3643 SEQUENCE LENGTH:323 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
10	CLONE:HUMGS04297 SEQUENCE DESCRIPTION: GATCCAGTCT AGGCCCGTAT GTTGCATTTT GCTGTCATGT CTTCTTAGTC TCCATCNCAT CTCAGTGGTC TTTTCTTTTC CATGACTGTG ACAGAAATGA TTTGTATCCT TCATATATCT	120
15	GCAGTCACAT GAAGTCTATT TGTCCCACTA CTGGTGACGT AAATTTTGGT AACTTGGTTG AGGGTGGTAC CGTCTAGGTT TCTCCATATT AAGTTGCTAT TITNCCTTGT GTATTTAATA AGTATCTTAT AGGGAAATCC TTTGAGACTA TGTAAATATC ATATTACATG TATTTNGCCT GTTTTAGCAT CTTTTGAAGA TAN	240
20	SEQ ID NO:3644 SEQUENCE LENGTH:320 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
25	CLONE:HUMGS04298 SEQUENCE DESCRIPTION: GATCTGGAGC ACAAGGAACT CCCATACATT CCTAGTGGGA ATGCCTAATG TTAGAGTCTG GAAGACATTT TGGCAATTNC TTAACCAAGC TCTTCTTACC ATAAGATGAA GCAACTCCAC ACCTTGGTAT TTACCCAAAC GAGTTGAAAG CTTATGCCCA TACAAACACC TGTACAAGAA	120
30	TGTCTATAGC AGCTTTATTC ATAATTGCCA AANCTTGAGG GCATCCAAGA TATCACTTAA TGGGTGGACA GATAAGCTGT GGTACATCTA TACAATGGAA TATTAAGGTG CTAAAAAGAA ATGAGCTCTG AAGCCACAAA	240
35	SEQ ID NO:3645 SEQUENCE LENGTH:319 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	
40	CLONE: HUMGS04299 SEQUENCE DESCRIPTION: GATCGGGATT AATATTAGTG CATTTTTAAA ACACTTAAAA GTTTTACAAN TGTATTTGTG TATTTCCTGT TTTGGTGCCT GTTTTATAGA AGATGATTGA NGAATCACTG AAGATTAAAA	
45	TAAAAAAGGA ATTAGAAATG GAAAATGNAT TAGAAATGAG TAATCAAGAA ATAAAAGACA AATCTGCTCA CAGTGAAAAT CCTTTAGAGA AATACATGAA AATCATCCAG CAGGAGCAAG ACCAGGAGTC GGCAGATAAG AGCTCAAANN NGATGGTCCA AGAAGGCTCC CTAGTGGACA CGCTGCAATC TAGTGACAN	240
50	SEQ ID NO:3646 SEQUENCE LENGTH:318 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear	

	CLONE: HUMGS04300					
	SEQUENCE DESCRIPTION					
	GATCATAGAA GAAGAANCCA					
5	AGATGGTCTA TAATGCTGAG					
	CATTITGING AGTITTGCC1					
	AAAANTCAAT ATAATTNATT					
	TTTAAGTACT AATTTNNTNT	` TTATCAAGTA	GAAAAAAAAT	GTATTTGCCC	TAAATCCTTA	300
10	AAATACAAAT GCTATAAA					318
	SEQ ID NO:3647					
•	SEQUENCE LENGTH: 317					
15	SEQUENCE TYPE: nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUMGS04302					
	SEQUENCE DESCRIPTION:					
	GATCCTGAGG CTTTGGCTGA					
20	GAAAATAAGA CCTACTCATC					
	AAAAAACTTG AAGAATCTAA					
	ATTGAGTCTT TAGCTACTAT					
	TTACTGAAGA AAACACTTGA	AAATCTGGAA	TAANTTAGAN	GGGGAAGAAA	CAAACAAGTG	300
25	CCATGTTCAT TGGGGGN					317
	000 th No 0010					
	SEQ ID NO: 3648					
	SEQUENCE LENGTH: 317					
	SEQUENCE TYPE:nucleic	acid		•		
30	TOPOLOGY: linear					
	CLONE: HUMGS04303					
	SEQUENCE DESCRIPTION:		mag. 000mag			
	GATCCTTCTC CTTCCCTGGG					
35	AGCCAATTCA GAGCCACCTC					
	ACTCCTCGTA TGGTGTCATC					
	CAGGGCTGCT TAAAACACAG					
	GGTTGAGAAT TTTCAGTTCT CATAGTCATT GTCCATN	AGAAGCTCCT	GGGTAATGCT	AATCUTCCTG	TTCTAGGGGC	
40	CATAGRATIC GICCAIN					317
	SEQ ID NO:3649					
	SEQUENCE LENGTH: 317					
	SEQUENCE TYPE:nucleic	acid				
6-	TOPOLOGY: linear	aciu				
45	CLONE: HUMGS04304					
	SEQUENCE DESCRIPTION:					
	GATCTACACG CGGCTGGCCA	CCATCTACCA	CAACTNCCTC	CTGGACCGTG	AGAAGTCCCT	60
	CTTNTTCTAC CAGAAGGCCA					
50	GCCTCCTCTG CCACTCTGCG					
	ACAGCATCCA AGGGAGTGGG					
	- /					

	CGNCGGTGGC TCATTTTCTN TGGGTTTTGT TTTTAAA	GCAAATNGAG	GCACGAACGC	AGGGNCCAAA	TAGCAATAAA	300 317
5	SEQ ID NO:3650 SEQUENCE LENGTH:317					
	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
10	CLONE: HUMGS04305 SEQUENCE DESCRIPTION:					
	GATCTATGCA ATTTTTAAAC					
	NCAACCAGCA TTTTACTACT					
15	TACAGANTTT TTAATGACTT ATCAATTTTT ATACATATCA					
	ACTAATTTAA ACCAGCAGAA					
٠	TCCTCTCCAA TTGTAAA	ANGIGGIAG	UAAAGIIAII	ululluccii	AGENCTICIT	317
20	SEQ ID NO:3651					
	SEQUENCE LENGTH: 316					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear CLONE:HUMGS04306					
25	SEQUENCE DESCRIPTION:					
	GATCTGAATT CTAAAGCGTC	TTTCATTGTT	TACTTTTAGG	ATGAGGAAGT	ACAGACAATT	60
	GGTCAGATAG AACTGTGCCT					
	GGGGAGCAGC CGTCCCCCAA					
30	GGTCTGAGAG TCTGTGAAGA					
	TGATGCCCAA GTTTTGGAAA	TATTCTGTTT	TAAAAAGCAA	GAGAAATTCA	CAAACTGCAG	300
	CTTTCTAAAA AACAAA					316
35	SEQ ID NO:3652					
33	SEQUENCE LENGTH: 374					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04307					
40	SEQUENCE DESCRIPTION:					
	GATCCTTGGG TTGTAAAGAG		•	•		60
,	CTGTTGAGTT TCTAATGAAT					
	GTGGCTTATG AATCCTGTNA					
45	CTAAGTNCTG TCCTTAATCA					
	CCTTACCAGT TGGGTTGCAC					
	AGGNGNTAGT CTNTCCAATC CTTCGGANTA ANTN	ATUNCATAUN	LITCATCIUU	IIIIIUNCIU	UIUUACUNAC	374
	OLIOUUNIA ANIN					314
50	SEQ ID NO:3653					
	SEQUENCE LENGTH: 316					

5	SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGSO4308 SEQUENCE DESCRIPTION: GATCAGGACC AACCTGGAAA CAGCTCACCA ACCCCTGAAG TCCTCCCCTG CCCCACCAGA ACACTTCTTT TTTCCTATGG	ATGCCAGATT GGGCCGTTAA TTGCTGCAGG	GCCTGGTTAG GGCGCGGTGT	TTTTNTACCT GCCTGGNAGC	ACTCCGAGTN CAAATTNTTG	120 180
	GCAGTCCCAC AAGATGTNTG CTCAGCCCAG TTCCTN SEQ ID NO:3654					
	SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04309	acid				
20	SEQUENCE DESCRIPTION: GATCTAATGC AGAACTTATC AGTCAGAAGG AAATGTATTA TTGCATATCA AATTTTTTTG GGCATTTATA ATAATATGAC	TCGTTATAAT ATAATGTAAG	TTCAAACCTT GAAAACTTAA	AAGAAAGCCT ATCCCCTCCA	AAATTACCAA TATCCTAATT	120 180
25	TAGATATCTA TTTTNAANTT TACTAAGTAC ATAAA SEQ ID NO:3655					
30	SEQUENCE LENGTH:315 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04310 SEQUENCE DESCRIPTION:	acid				
35	GATCCAAGAA GAACTAGAAA GGCTAGCTCT TCAACTATGT ACAGCATTCT TGTGAATGTT AGATTCTGCT GACATGAGAA	CTTTNAAAAA TACATCCTGC	GAATATGTCT TGCTGATAGG	GCCCACAGCA TTCAAGGAAT	GCCAGAAGTG TCTTTAAACC	180
40 ·	AGCCTAACAT CTAAATAANG ATTTGGCTTG TCAAA SEQ ID NO:3656					
	SEQUENCE LENGTH: 347 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS 04311 SEQUENCE DESCRIPTION:	acid				
50	GATCCGTGCC CGCNTCCAGG CCAGGATGTG GGCCGCATGT					

	GCAGTCCATC ATCGGCCTGC	AGCGCTTNTT	NGAGACGCGC	ATGAACGAGG	CCTTCGGTGA	180
	CACCAAGTTC TCTGCTGTGC	TGGTGGAGCC	CCCGCCGATG	AGCCTGNCTG	GTGCTGGCCT	240
	GANTTCCCAG GAGCTGTCTG	GTGGCCCTGG	TGATGGNCCC	TNAGGCTGGG	GGCCCCATGG	300
5	TCAGCCCAGN NTGGGTTCTG	TTCTNTGGNN	CTTGTCANNC	NNAANCN		347
	SEQ ID NO:3657					
	SEQUENCE LENGTH: 313					
10	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS04312					
	SEQUENCE DESCRIPTION:					
45	GATCATAACT GAACCAGAAT					
15	GGTATAGGAA CACACAATGA					
	ACTACACTGC AAGACTTAAA					
•	AGGGTATAAN ANTATACATA					
	AACTTCCATG ATATTTATNA	TTTNGTAGAG	ACATTTGTGA	TTGTNTAGAG	TTCTNGTNTT	
20	TNTTCTATTT ATN	•				313
	SEQ ID NO:3658					
	SEQUENCE LENGTH: 307					
	SEQUENCE TYPE:nucleic	acid				
25	TOPOLOGY: linear					
	CLONE: HUMGS04313					
	SEQUENCE DESCRIPTION:					
	GATCTTAAAA GTGGAAAGCA	GAAAAAATAC	TGTTTCCTGA	AATTNAAAAG	TTTTGGCAGT	60
30	GCCCAGCAGG CCCTCAACAT	TCTCACAGGC	AAGGACTGGA	AGCTGAAAGG	CAGGCATGCC	120
	CTAACCCCCA GGCACGTCCA					
	CCAGGGCTTC GTGTTGTACC					
	GACCACCCGA AGATAGCAGC	CTGGCGCTGG	ANGCCGGAAG	ATTGGAAAGC	TCTACAACAG	300
35	TTTGTGN					307
	SEQ ID NO:3659					
	SEQUENCE LENGTH: 306					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY: linear	-				
	CLONE: HUMGS04314					
	SEQUENCE DESCRIPTION:					
	GATCCCCAGA GAGGTGGCCC	TGGACCTGGA	GTCAGGAGGC	GGTGTCCAGA	AGAGTCGCTC	60
45	ATCAACCCCG GGTTCAAGAG	TAAGAAACCA	GCTGGTGGCG	TGGACTTCGA	TGAGACCTGA	120
	AGGTGCAGCA CAAGCGTGGC					
	AGGCCCCCAT CAGAGACCCC	CCGCCACCAC	CTCCACCTGC	CTGTCCTGGG	CCAGGACTAA	240
	CACGGCTCCT CAAATTCCTT	CCCTGTCAAA	TAAACAGCTC	CCTTGGTTGG	AGGCTCTNGT	300
	GGGAAA					306
50						
	SEQ ID NO:3660					

5	SEQUENCE LENGTH:371 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4315 SEQUENCE DESCRIPTION:	acid				
	GATCCCCTGA GCAAGTCAGA	AGTTACTCTC	ATCAGTCGTT	CATGGTCACA	ACCTGAGGTA	60
	CTCTGCTGAG TGGGCAAGGC					
10	AGAGCAGGGC AGGCAGTTCT					
	CTCAGAAAGA CTCAGCTCAC					
	AACTTTGTTG AATAATTTGT					
	GTATGAAGTG TTGAAAATTA					
	TGGCCCGTAN N					371
15						
	SEQ ID NO:3661					
	SEQUENCE LENGTH: 304					
	SEQUENCE TYPE:nucleic	acid				
20	TOPOLOGY:linear	•				
	CLONE: HUMGS04316					
	SEQUENCE DESCRIPTION:					
	GATCTGTATT GATATTTGAT	AGTGAAAATG	TTTATTCAAT	TTTTCCCCAA	AATGTATTTG	60
25	TTCCTCTTAC TTGTTTATTC	AGCTGTGGTG	ACTTCAAAAT	ACTTTTTCCA	GGTGACAAAA	120
25	AAAAACTCAG AAAAATTTTT	AATCTTAATT	GCATTAATAC	TATAAATTGA	TTTGGAAGGA	180
	TTTAACATTT TATAATATNG	GNNTTCCTCT	GCAGTAATGT	GGCATATTCT	TCCNNNNGTT	240
	CAAGCATTAA AAAAATCTCT	TAGCAAAGCT	GCACAGCCTT	CTTCATAAGG	GTTCTCTATA	300
	TTTN					304
30						
	SEQ ID NO: 3662					
	SEQUENCE LENGTH: 303					
	SEQUENCE TYPE: nucleic	acid				
35	TOPOLOGY:linear					
	CLONE: HUNGSO4317					
	SEQUENCE DESCRIPTION:					
	GATCTGCGGT GGGCCAAGAG					60
40	GACACTCCAG GCCCAGCTGA					
40	TCAGGACCCT GGAGGTGGGA					
	AGAAGCAGTG GGTGGTCCAG					
	TGTTTCCAGT TGTGGCAAGG	GGTCAAGGAG	ACCTTGCATT	GCAAATCTNT	TAGAAAAAC	
	AAN					303
45	SEQ ID NO:3663					
	SEQUENCE LENGTH: 302					
	SEQUENCE TYPE:nucleic	ani d				
	TOPOLOGY: linear	aciu				
50	CLONE: HUMGS04318					
	SEQUENCE DESCRIPTION:					

5	GATCTGAAAG ATTACATTTA AAGTCACATT TTCAAAACTT TCTTAATTGT CTTCATGCCG GTAATNATTT GTAATTTAGT AATCAATTTT ATGGTATTTT GN	CATGCATATT TCCATATTTA GAAGGAGACT	GTATTCTTGT ACAAACATTG AGGGGATGTT	TGGAAATAAG CAAGTCCTTT TTCTTCCAAA	TCCTATAGTT TTATATTTGG GGGAATTTAA	120 180 240
10	SEQ ID NO:3664 SEQUENCE LENGTH:301 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04319	acid				
15	SEQUENCE DESCRIPTION: GATCCTCTCA GAGTGCCAGG AGCAGCTGGA AGATGCCGC ACCTGGTCCT GCGCCTGAGG	ACTCTTTNTG	ACTACAACAT	CCAGAAAGAG	TCGACCCTGC	
20	AGTGATGGCA TTACTCTGCA TTTCAGTAAT AGCTGNACCT A					
25	SEQ ID NO:3665 SEQUENCE LENGTH:300 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04320	acid				
30	SEQUENCE DESCRIPTION: GATCTGAAAA ATGAAGTTTG TTCAAATCTG ACTGTTTCCC GAAGANGAGT TTACAACAGA	ATTACCTGCT TGANGCAGAT	GAAGTATGTC GAAACTAGGA	TCCTGTTTCT GCAATGAAAC	TTTCAAAGAG CCAGAATCCT	180
35	CATAAACCAT CACCTAGCAG GGCATTGATG ATGCTTATTT SEQ ID NO:3666			CTGAATTAGC		
40	SEQUENCE LENGTH:300 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04321 SEQUENCE DESCRIPTION:	acid	٠			
45	GATCACTNAA TGGTCAAGTG CTTAAGGGAG GCTAATTTTT CCGCATCCTT GGCCCTCTGG TGACCAGAAT GCTCTTCATG	AATTTAAACT ACATTATCAC TAGCTTATAC	GCTCGAGATA TAAATTGCTT AGTTGGTTCA	TGAGTTCTGC GTGCCTGTTA CTTCATGCGG	AAAAGGTGGT ACAAGAATAC TTCTTGACAT	120 180 240
50	GTTTATTTCT ACCCTTAATG SEQ ID NO:3667	CAATGAAATG	ITTUATTAAT	AAAAAAUUAC	TTATATAAA	300

	SEQUENCE LENGTH: 417
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY:linear
5	CLONE: HUNGS04322
	SEQUENCE DESCRIPTION:
	GATCTTTCTG GCTCCACTCA GTGTCTAAGG CACCCTGCTT CCTTTGCTTG CATCCCACAG 60
	ACTATTTCCC TCATCCTATT TACTGCAGCA AATCTCTCCT TAGTTGATGA GACTGTGTTT 120
10	ATCTCCCTTT AAAACCCTAC CTATCCTGAA TGGTCTGTCA TTGTCTGCCT TTAAAATCCT 180
	TCCTCTTTCT TCCTCCTCTA TTCTCTAAAT AATGATGGGG CTAAGTTATA CCCAAAGCTC 240
	ACTITACAAA ATATITCCTC AGTACTITGC AGAAAACACC AAACAAAAT GCCATITTAA 300
	AAAAGGTGTA TTTTTCTTT TAGAATGTAA GCTCCTCANG AGCAGGGACA ATGTTTTCTG 360
	TATGTTCTAT TGTGCCTAGT ACACTGTAAA TGCTCAATAA ATATTGATGA TGGGAAA 417
15	
	SEQ ID NO:3668
	SEQUENCE LENGTH: 298
	SEQUENCE TYPE: nucleic acid
20	TOPOLOGY: linear
	CLONE: HUMGS04323
	SEQUENCE DESCRIPTION:
	GATCTCTGAA AGCTCAAATG GATGGAATTT AGTTTGCGGG AAAGAGGCTT TGCTTTGCGC 60
25	ATATCAGGCT TAGGACTGTG GGAGGCTTAA GAAGCAGATG CTTCTTTNAT TGTACTCTTG 120
20	TNCTGCCCTT GTTTTTTGAA GGCTCTGACT TATAACTNCT GTATCAGAAG AAACATTTTG 180
	ACAGTGTCTT GGTTGGAGAT GAACATCCCT AATTGACATG TGATGACTAT TTCTNATTCC 240
	ATTCATCTAA GAGTCATTGA AATTTTGTTT TGCTTGTTTG TTTAGCTTCA AGGTCTTN 298
30	SEQ ID NO:3669
	SEQUENCE LENGTH: 294
	SEQUENCE TYPE: nucleic acid
	TOPOLOGY: linear
0E	CLONE: HUMGS04324
35	SEQUENCE DESCRIPTION:
	GATCATCTCT ATATCTAATT TGTATTATNA CTAATCTTAT TCCAACTATT TNCTTTATNA 60
	TACTGAAACA GTTTGTNCCT TCAGTCTCTG CTTCGGCTAC CTAAAAGGGA AGGGCCCCCT 120
	ATCCTGTAAT CACATGACTT ACTTCACCTT GTCAATCACT GAGAAGATTC ACCCTCCTTA 180
40	CCCTGCCCCC TTGTCTTGTA TGCAATAAAT ACCAGTGGGC CTAGCCCTCT GGGACCACTA 240
	CCGGTCCCGG GGTCTTGATG GTAGTGGNCC CANAGCCCAG CTTGCNTNCN CAAA 294
	SEQ ID NO:3670
45	SEQUENCE LENGTH: 293
-	SEQUENCE TYPE:nucleic acid
	TOPOLOGY:linear
	CLONE: HUMGS04325
	SEQUENCE DESCRIPTION:
50	GATCAAGAGG CCACCAGTTG TACTTCAGCA CCAATGTGTC TTACTTTATA GAAATGTTGT 60

55

TAATGTATTA ATGATGTTAT TAAATACTGT NCAAGAAGAA CAAAGTTTAT GCAGCTACTG 120

	TCCAAACTCA	AAGTGGCAGC	CAGTTGGTTT	TGATAGGTTG	CCTTTTGGAG	ATTTCTATTA	180
	CTGCCTTTNN	NTNCTNACTG	TTTTATTACA	AACTTACAAA	AATATGTATA	ACCCTGTTTT	240
	ATACAANCTN	GTTTCGTAAT	AAAACTTNTC	CCTTTTTTTA	AAATGNAANT	AAA	293
5							
	SEQ ID NO:3	671					
	SEQUENCE LE	NGTH:292					
	SEQUENCE TY	PE:nucleic	acid				
10	TOPOLOGY: 1 is	near			•		
70	CLONE: HUMGS	04326					
	SEQUENCE DE	SCRIPTION:					
	GATCTATAGT .	ATTTTAATGT	GCATCTACTT	TAAATNAGTC	ATCTTGGGGT	TTTNATAATT	60
	CCCTTATGTT						
15	TTCTCTTATA						
	TCATAGTTGT						
	NATTTTNGCA '						292
20	SEQ ID NO:30	672	-				
	SEQUENCE LE	NGTH: 291					
	SEQUENCE TY	PE:nucleic	acid				
	TOPOLOGY: lin	near					
	CLONE: HUMGS	04327					
25	SEQUENCE DES	SCRIPTION:					
	GATCAAGGAT (GCAACCTCAG	GTTGAGAAAG	AAACAGGGTT	CCCTGGGCCC	ATTAGACTGT	60
	TTGCAGGGCA 1	CACTGCTTC	CCCCTGACAC	CTCACAACTA	GCAAAAATTG	TCTTTGTCTT	120
•	TGGAAATNAT A	AGAGGGATTT	GGGTATCCAG	ATTGTGCAGA	TGCAAACTTA	GGCTGTCTTG	180
30	ATGNNNACTT A	AGAACCACAG	AAATGCTTTT	AAAATGCCTG	TTTTAAGATG	GAATTGTTGT	240
	TTTNATAATT 1	TGATTTTAGT	GCTAAATAAA	TGATTGGCTT	TGTACATGAA	A	291
	SEQ ID NO:36	673					
35	SEQUENCE LE						
	SEQUENCE TYPE	PE:nucleic	acid				
	TOPOLOGY: lin	near					
	CLONE: HUMGS	04328				•	
	SEQUENCE DES						
40	GATCTAAAGG (60
	GTGGGCATAT A						
	ACTCACATTT /						
	TGCCTTAATG A						240
45	GTCATAATAT 1	TATACAAATT	CAGAGTGTTA	TTAAAGAGGT	TTTGAAATAA	A	291
	SEQ ID NO:36	674					
	SEQUENCE LEN	NGTH:290					
	SEQUENCE TYPE	E:nucleic	acid				
50	TOPOLOGY:lir	near					
	CLONE: HUMGSO	14329					

	SEQUENCE DESCRIPTION:					
	GATCCCAAAA GCTGTTTTNA	GGTATAAGGA	CAAGGAGAGG	AGACAAGTGA	CGACAGCCAT	60
	TCCCCTTTGC AGCTATCTAC	TGTAGTGACA	GCCATTTCTT	GGTTGATGGG	TTGGAAGTCA	120
5	TCAGAGGTTT GAAGAATTAC	ACTGGCCTTT	GTTTTTCNNG	AAATGCCGAC	CATGGAGATG	180
	CTTTAGAGTC TTCTCAAATA	GCTTAGATGT	TGTAATGNGG	TTAAGCTTTG	CTTCATAAAA	240
	CAGGGGCCCT CAGAAGTTCT	CCTTTAAATT	TTTCANATAA	AAAATTTAAA		290
10	SEQ ID NO:3675					
	SEQUENCE LENGTH: 288					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
15	CLONE: HUNGS04330					
	SEQUENCE DESCRIPTION:					
	GATCTATCCC TGTCTCACTG					
	TGGNNTTTCC TATCCTCCCA					
	CCCAGTCACC AGGGTGGGGGGGGGGGGCTTTC TGCTTAGTCT					
20	ATAGATTTTT TTTGTGTGTG				IAACIICAAC	288
	AIAUAIIII IIIUIUIU	IUUAAAIAA	ICIGCAAIIG	UAAACAAA		200
	SEQ ID NO:3676					
25	SEQUENCE LENGTH: 285	•				
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04331					
	SEQUENCE DESCRIPTION:					
30	GATCAACCCC TGACCTAATC					
	CACTGTGAAA ATCCCTATCC					
	GTCATGTACC CCCTGCTTGC					
	TGTGAACCTT TAAAAGGGAC				TGAGACAGGA	
35	GTCTTGCCAA TGCCCCTGGC	TGAATAAACC	CCTTCCTTCT	TTAAA		285
	SEQ ID NO:3677					
	SEQUENCE LENGTH: 285					
	SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear					
	CLONE: HUMGS04332					
	SEQUENCE DESCRIPTION:					
	GATCACAAAA ATGGAACCCC	CTGTTTCATG	CTTCTACAGT	CCAGCCAGCC	AATCTGAAGA	60
45	TGTCATTCTT ATAAAAAGT	ATGACCAAAT	GGCTATCTNC	CACTGTTTAT	NTTGGCCTTC	120
	ACTGACTCTG CTAGGTGGTG	CCCTGATTGT	TGGCATGGTG	AGATTAACAC	AACACCTGTC	180
	CTTACTGTGT GAAAAATATA				AAGTACCTCA	
	TATAGAGCAG CATCAGTTCA	AACTGTGCAT	TATGAGGAGG	AGCAN		285
50	SEQ ID NO:3678					
	SEQUENCE LENGTH: 282					

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4333 SEQUENCE DESCRIPTION:	acid				
	GATCTCTGTG TTTGCAGTCA	AAGGGCGGCT	CACACATGGT	CAAGTATTAT	AAATNTCCTG	60
	TGTATCTNAC AATGGAATCT					
	TAAGTGAAGC TTAATAATCT	TGTNTTTNCT	GTCCTCATAG	ATATTTTAAT	CTGTGGCATC	180
10	CTCCTGTAAT CTCAGCATTT	TGGGAGGCTG	AAGATGAGAG	GGTTGCTTGA	GGCCAGGAGT	240
	TCAAGACAAA CCTAGGCAAC	ATAGCAACCC	TGTCTCTCCA	AA		282
	SEQ ID NO:3679					
	SEQUENCE LENGTH: 280					
15	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04334					
	SEQUENCE- DESCRIPTION:					
20	GATCTGAGGT GATATGTTCT	GAATGTAAGC	ACCGTCAACA	TCAGACACCT	ACTCATGGAC	60
	ATGTGGTTGC CGGATTTTCT					120
	ATTTTAGATG ACAAAGCTTG	ATATTTATTG	CTGTCGCACA	TTTTAAAGTT	TTCTTTTTGG	180
	GTTGCTCTGT GNCANGGCGT	GGTTACATGG	TGNTAAATCG	GTACCTGATA	ATGTACCCAA	240
25	ATACTATGGC CAGATAATAA	ATTGNGGTGC	AAACAACAAA			280
	ATA 12 NO AGOS					
	SEQ ID NO:3680					
	SEQUENCE LENGTH: 278					
30	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear					
	CLONE: HUNGS 04335					
	SEQUENCE DESCRIPTION:					
	GATCACTGTG CAGTGGGACC					60
35	CAGTGGTCAA AATACTCTGT				-	
	GTGCTGAACA CAGGGNNGGT					
	CTAAATGCAC AAAGTATAAA			CAIGIIGIAI	CAGAATAATI	
	TTTGTGCCAA TAAATGACAT	CAGAATITIA	AACATAAA			278
40	SEQ ID NO:3681					
	SEQUENCE LENGTH: 277		•			
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	aciu				
45	CLONE: HUMGS04336					
	SEQUENCE DESCRIPTION:					
	GATCANAGAN TNACAACTGT	TCATTATAGT	GGTGCCTTAG	GCAATCTTTN	CAAAGTAAAT	60
	TCAGGGCCCC ATTGCTACTT					
	AAACTTCCTG GAAAGCTGTC					
50	GTCATGGAAA TAACACATAA					
•	TGTGCTTTNA TGGATGTCAT					277

	SEQ ID NO: 3682					
	SEQUENCE LENGTH: 275					
	SEQUENCE TYPE:nucleio	acid				
5	TOPOLOGY: linear					
	CLONE: HUMGS04337					
	SEQUENCE DESCRIPTION:					
	GATCTTTCTT TACTTGATGT		TCCCAGATTC	ATALCACACC	TCTCCT4C44	en
	CTGAATGCAA GCTTTCCAAA					
10	TGTNCTGTAT TAAAATTAAT					
	TINITITIAG TIGITITAAT					
	TGAAATTNTC CATTAAATCA			NIAGAIIIIA	AAUAAAAAIA	
	TUMMATTIVIC CATTMANICA	. AGIAAAAIG	IGAAA			275
15	SEQ ID NO:3683					
	SEQUENCE LENGTH: 269					
	SEQUENCE TYPE:nucleic	anid				
	TOPOLOGY: linear	aciu				
•	CLONE: HUMGS04339					
20	SEQUENCE DESCRIPTION:					
	GATCTCCGCA GTCTTCAGCG	CATTCCCCCC	***********	ACCT LATCOT	00000000000	
	GAGCTCCACG GCCCCTTCAG					
25	ANACAGATGG AGTCCTTCCT					
	GGCGNCTCCT GACCGTCGTC		GNCTTTTCAA	ATTTTTGTAT	AACCCCGTGT	
	TGTGTAAATA CAGTTTTTGC	ICCGGTAAA				269
	SEQ ID NO:3684					
30	SEQUENCE LENGTH: 266					
00	SEQUENCE TYPE:nucleic	aaid				
	TOPOLOGY: linear	acru				
	CLONE: HUMGS04340					
	SEQUENCE DESCRIPTION:					
35	GATCAGGCCA GTAGGTTGTG	A A T C C A C C C T	CCACCCCCC	A A TOCOCO A N	NOACAGTGGA	00
	GCATTGACCA GACCATCCGA					60
	CAAATGGAAA TAATATGGCC					
40	ACCTCCTCAA GTAATGGAAC TGAATAAAGG TGCCTGAAAT		GCAGGCTGCC	CTGACCAAAA	ATATUTGUUA	
.0	IUANIAAUU IUCCIUAAAI	CCTAAA				266
	SEQ ID NO:3685					
	SEQUENCE LENGTH: 266					
	SEQUENCE TYPE:nucleic	مه: ۵				
45	TOPOLOGY: linear	aciu				
	CLONE: HUMGS 04341					
	SEQUENCE DESCRIPTION:					
	GATCTACTTT CAGGATTATT	TNTT//TNTT	CAACCTCACA	OTNT00+00+	0004400040	
50						60
	TNTAGATGCT GCGACCCTGC	UAUAAUCAAT	AGCIAGIGAA	CACAITAGCT	CCCTACATGG	120

	GACGCAGCTC CCTCTGACAT AGGATTGGNT TACTGTCTTT					
	GANTAAACTC CTTTAAACTT					266
5						
	SEQ ID NO:3686					
	SEQUENCE LENGTH: 270					
	SEQUENCE TYPE: nucleic	acid				
10	TOPOLOGY: linear					
.0	CLONE: HUNGS 04342					
	SEQUENCE DESCRIPTION:					
	GATCTCCTTC AGTNGTCTAC	CCACTTCCGT	CATTGTCCTC	CGCTAGAATA	ACAGAGTAGT	60
	TGGTAGTCAT GGCCAGAAGG					120
15	GTGACACAAG GAGATAAGTG					
	AGTGGTGATT TTTGTGCAAA	GATTTGAAGT	TTTAAAAAAG	TACCAAGTTC	CTGAAATTCA	240
	ATAAAATATT TTTATTAATT	TTAATGGAAA				270
20	SEQ ID NO:3687					
	SEQUENCE LENGTH: 264					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
25	CLONE: HUMGS04343					
20	SEQUENCE DESCRIPTION:					
	GATCTCAGCT CACTGCAACC					60
	ATGTTTGAGC TATTCCAGGT					
	CTACATAATT GTTTGGATAA					
30	NAACCCTGTG TATCAATNTG		ACATNTTTTT	CTATGTTGAG	TTATCAATAA	240
	ATTGATATTG TATATGNCTC	TAAA	•			264
	SEQ ID NO:3688					
35	SEQUENCE LENGTH: 262					
	SEQUENCE TYPE:nucleic	acıd				
	TOPOLOGY: linear					
	CLONE: HUMGS04344					
40	SEQUENCE DESCRIPTION:	BOURSE LUBS	VENTAGALIA			
	GATCCTCAGT GCAAAATGTC					60
	CCCAAAGCTT GTAAATATGG					
	GCTTCCAAGA CCATTTGTAG					
	GCGGGGCCTG TCTCAGTGAT TAAATGTTTC CCCCACTCCA		IAIINGIIIG	TAGCTTTCCT		
45	INMITTIO COCCACIOCA	n.A				262
	SEQ ID NO:3689					
	SEQUENCE LENGTH: 256					
	SEQUENCE TYPE:nucleic	anid				
50	TOPOLOGY: linear	actu				
	CLONE: HUMGS04345					

	SEQUENCE DESCRIPTION:					
	GATCTCAAAT GTGAACAGTT	TACTAATGCA	CTACTGAAGT	TTAAATCTGT	GGCACAATCA	60
	ATGTAAGCAT GGGGTTTGTT	TCTGTAAATT	GATTTCTAAT	NTGAAATTAC	TGAACAACTC	120
5	CTATTCCCAT TTTNGCTAAN	CTCAATTTCT	GGTTTTGGTA	TATATCCATT	CCAGCTTAAT	180
	GCCTCTAATT TTAATGCCAA	CAAAATTGGT	TGTAATCANA	TNTTAAAATA	ATAATAATTN	240
	GGCCCCCCT TTTAAA					256
10	SEQ ID NO:3690					
	SEQUENCE LENGTH: 251					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
15	CLONE: HUMGS04346					
	SEQUENCE DESCRIPTION:					
	GATCTAAAAA GCTGAATAGC					60
	TTAATAAGAT TGAAACTTTA					
	TAATGAAGCC TGATTTGATT					
20	GTTTTTNTTG TTTGTTTTNC	CTTTTNGTCA	CTGTGGTACA	TTAAAAATTT	NGGGAAGATG	-
	CTTTACCTAA A					251
•	SEQ ID NO:3691					
25	SEQUENCE LENGTH: 250					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04347					
	SEQUENCE DESCRIPTION:		macaa	0.000000	1001015105	
30	GATCCCAGAC CTGTNGTCTC					60
	ACCTAGAAGT AAGANGNNGA					
	TGTGTTGTGT TTGTAGTCTT					
	ATGATGATGA TGATAATAAT	AAIAAIAAIA	AUAAUAAUAA	CAACAAIAAI	AAAUAIUIUA	250
35	AAACTCGAAA					230
	SEQ ID NO:3692					
	SEQUENCE LENGTH: 248					
	SEQUENCE TYPE: nucleic	acid				
40	TOPOLOGY:linear					
	CLONE: HUMGS04348					
	SEQUENCE DESCRIPTION:					
	GATCTCAGAT AACTCAGTAC					
45	CCGACAATAT ATTTATTTAT	AAAGCACATA	TTCATAATAA	CGAGAAGAAT	TCAGAAAACC	120
	ACTTAAGCAA GACCCTTCTG					
	GTTTAAANCA TGTCAACCTT	ATGTAAGGNN	AANTTTCCTG	GTCCAANTAA	NGTTGANGTT	
	TAAGGAAA					248
50	SEQ ID NO:3693					
	SEQUENCE LENGTH: 248					

	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS04349			•		
5	SEQUENCE DESCRIPTION:					
	GATCCTGGTT GGAAGGATGG	GGACTCTCTC	AAGGGGCTTT	GGAAGAGCTC	TTCTAGCCCT	60
	TTATAAAAGG AGGGCAGCAG	CTGAGACTGA	TGAGAGGAGG	GCAGCCTGCT	CTGTTCTTTC	120
	AGGGCCCCCC ACCCCCATCT	CCCCTACCCT	AGCCCACCCT	AGGGCCTCTA	CCCAGCGGGA	180
10	GGGGTTGAAG ACCAGGCCTG	GTTTTATTAG	AATTCATTTT	GTAATAAAAG	CCTTTTTTAG	240
	TGGTGAAA					248
	SEQ ID NO:3694					
	SEQUENCE LENGTH: 248					
15	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	3013				
	CLONE: HUNGS 04351					
	SEQUENCE DESCRIPTION:					
20	GATCCTATTT TNATGAAATG		GCAAATCCAC	AGAGACAGAA	ACTAGACGAA	60
20	TGGTTGCCTG AGGGTGAGGG					
	ATAGAATGTN CTAAAATTTG					
	TGTACACACG TTAAAAAGGG					
	AATTCAAA					248
25						
	SEQ ID NO:3695					
	SEQUENCE LENGTH: 245					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUMGS04352					
	SEQUENCE DESCRIPTION:					
	GATCCACTCC GCCATCGATG	CATCCCAGAC	CCCCGATGTC	GTGTTCGCAA	GCATCCTAGC	60
35	AGCCTTCTCC AAAGCCACAT	GTAAAGACTT	GGTTATGTTT	ATCTAATGTT	GGGTCCAAGA	120
00	AGGAATTTCT TTCCATCCCT	GTNAGGCAAT	GGGTGGGAAT	NATAGGACAG	GCAAAGAGAA	180
	GCTTCCTCAG GCTAGCAAAA	ATATCATTTN	ATGTATTGAT	TAAAAAGCA	CTTGCTTGAT	240
	GTAAA					245
40	SEQ ID NO:3696					
	SEQUENCE LENGTH: 243					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
45	CLONE: HUMGS04353					
	SEQUENCE DESCRIPTION:					
	GATCTCAAAA CCACTATTTT	TATTATTTCA	TTATTTTCA	GAGGCCTTAA	AATTCTGGAT	60
	AAGAGAATGG AGGAAAATAC					
	TTACTTCTAT GTTTTNATTG					
50	NCTTCATCCT AATAAGGATA					
	AAA					243

5	SEQ ID NO:3697 SEQUENCE LENGTH:241 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUNGSO4354 SEQUENCE DESCRIPTION:					
10	GATCTNTCCA CGGTAGCACT CCCTCCCTGA CTCCCTGTGG CGCTGCCGCT GCCGNTGCAC TATTATAATA TAATATGGAA A	TGNCCTTTTC GGGTGGCCAT CACGGCGTTT	CCCTGGGCCC TTTTACAACA	CTCCACGCCT TTCAACTTTA	CCTGGCCAGA GTATTTTAC	120 180
15	SEQ ID NO:3698 SEQUENCE LENGTH:239 SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
20	CLONE: HUMGS04355 SEQUENCE DESCRIPTION: GATCAGCACT GCACTNTTAG GNTTCTNGGA AAGACCGGAG	GGCTTCTCCC	CACAGAAGGC	GGAGAGAGCT	GGGNCTCAGA	
25	CATGGNTGTG CACCTTAATA ATGGTGAGCA GCCCTNGTGC					180 239
30	SEQ ID NO:3699 SEQUENCE LENGTH:236 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4356 SEQUENCE DESCRIPTION.	acid				
35	SEQUENCE DESCRIPTION: GATCACAGGT GATTCACACG TCCCACAGAA ACCATCATCG TAAACTGGTC AAAAAACTAA ATGTGACAAC CNCTAATATT	TCTTTGTACA TTGTGATTTC	TCGTATGTAC TAGTCTTGCA	AATGCAATCA AAGCTGTATG	TTTCATACTT TAGTTAGATG	
40	SEQ ID NO:3700 SEQUENCE LENGTH:235 SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY:linear CLONE:HUMGSO4357 SEQUENCE DESCRIPTION: GATCCATCCT TTATCAGGAA		ACTATAAACC	ጥጥጥጥል! ል ህምም	C & C & TTT &	co
	AACCAACTTA TAAAGCATTG	CAACAAGGTT	ACCTCTATTT	TCCCACAAGC	GTCTCGGGAT	
50	TGTNTTTGAC TTGTGTCTGT AAAATGACTG TTTTCTCTCT					180 235

	SEQ ID NO:3701 SEQUENCE LENGTH:232	
5	SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS04358	
	SEQUENCE DESCRIPTION:	
	GATCCGTGTT CTCCATTTAT TAATGCATTG TAGACCAATT TAACTGCTGT GTTTCAGGAA	60
10	AATTCTTCCT AGTTTAATAA GCAAGCTAAA AGTTTTATTT TTTATATTTA GTGCTTAATC	120
	TTTGCCTCAT GTTATGTAAA ATTAGCCTGC AGATATTTTC TCTCAATTCT GTAGACTCTC GCAAGATAAA CATTCAAACA GTGAAACAAA CANTAAAATA AATAAACCTA AA	
	CONSTITUTE CATTORNACA GIUNNACAN CANTANANTA ANTANACCIA AN	232
	SEQ ID NO:3702	
15	SEQUENCE LENGTH: 231	
	SEQUENCE TYPE: nucleic acid	
	TOPOLOGY:linear	
• •	CLONE: HUMGSO4359	
20	SEQUENCE DESCRIPTION:	
	GATCCATCTG AACTATGAAG TGAGTACCTG GAGGAACTCC TACATTTAAG GCTTTCAAAG	60
	GTTACAGGCT TTTCGTGTGT GTGTGTGTGT GTGTGTGTGT GTGCGTTTTG AGAAAAATGG	
•	AATTCAAACA CTGTNNTTAG AATGTATGTT TACTTATATA GAATTAATGA ATNTATATAA	180
25	TAATAATNAC TGTATATAAT TNTAAAATAT AATAAAGTCT CTTTATCCAA A	231
	SEQ ID NO:3703	
	SEQUENCE LENGTH: 237	
	SEQUENCE TYPE:nucleic acid	
30 .	TOPOLOGY: linear	
	CLONE: HUMGS04360	
	SEQUENCE DESCRIPTION:	
	GATCTGGAGT TGAGAGCCAT GGGTTTGGAC ATGACTGGCA CAAACAGCTG TCATATGTTC	60
25	ATGGTCAGAT GTCATACATT CTCAGCTGTC TTGTTCCACC AGTATTTACC AGGAAAACAA	120
35	AGAATGTGTT AAGGGATGCT CCCCCACCCC ACATCTTAAG TCAGTGTGCC AAGTACTGAG	
	ATGATTTTAG GGACATTTTA TTTTAAATTA AATTTACAAT CTAATGGTAA ATTGAAA	237
	SEQ ID NO:3704	
40	SEQUENCE LENGTH: 231	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY: linear	
	CLONE: HUMGS04361	
45	SEQUENCE DESCRIPTION:	
45	GATCATCAAC AAGATTTCCT TGTGCAAAAT ATTTGACTAT NCTGTATCTT TNATCCTTGA	60
	CTAAATTCGT GATTTTAAAG CAGCATCTTC TGGTTTAAAC TTGTTTGCTG TGAACAATTG	
	TCGAAAAGAG TCTTCCAATT AATGCNNNNT TTATATCTAG GCTACCTGTT GGTTAGATTC	
	140000000 COMON, CO. CO. C.	221

SEQUENCE LENGTH:229 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS04362 SEQUENCE DESCRIPTION: GATCAAAATT GAACCATTGT ACAGTTTGGN TTCTGTTTGC TTCAAAATAT GTA GGTTGATGAT TAATTTGCGA GACTAACTTT GAGAGTGTAA CANTTTTGAN GAA AATGTTTTGC AAATGAAGGG GCTTCACGGA ATGTTACANT GNTACTAATA TAA TTNNTNATGC AAATNGTTAA CACCAGCTAT TAAAAATATAT TTNNGTAAA SEQ ID NO:3706 SEQUENCE LENGTH:228 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS04363 20 SEQUENCE DESCRIPTION: GATCGCTACC CACCTTCCTT CCATGGTTCC CACCCTCCAC GTTATTTTCC CTTCCGGTTGCACT ACAGGTAGCT ACTGTGTATT ATGGACAAAT GAGAAATGAA TTCCGGTTGCACT ACAGGTAGCT ACTGTGTATT ATGGACAAAT GAGAAATGAA TTCCGGTTGCACT CTATTTTATT TCAAATAAGG AAAAGTGTAT TTGGATTTTG TGTA	
TOPOLOGY:linear CLONE:HUMGSO4362 SEQUENCE DESCRIPTION: GATCAAAATT GAACCATTGT ACAGTTTGGN TTCTGTTTGC TTCAAAATAT GTA GGTTGATGAT TAATTTGCGA GACTAACTTT GAGAGTGTAA CANTTTTGAN GAA AATGTTTTGC AAATGAAGGG GCTTCACGGA ATGTTACANT GNTACTAATA TAA TTNNTNATGC AAATNGTTAA CACCAGCTAT TAAAATATAT TTNNGTAAA SEQ ID NO:3706 SEQUENCE LENGTH:228 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4363 SEQUENCE DESCRIPTION: GATCGCTACC CACCTTCCTT CCATGGTTCC CACCCTCCAC GTTATTTTCC CTTCCGGTTGCACT ACAGGTAGCT ACTGTGTATT ATGGACAAAT GAGAAATGAA TTCCCGGTTGCACT ACAGGTAGCT ACTGTGTATT ATGGACAAAT GAGAAATGAA TTCCCGGTTGCACT ACAGGTAGCT ACTGTGTATT ATGGACAAAT GAGAAATGAA TTCCCCTTCCGGTTGCACT ACAGGTAGCT ACTGTGTATT ATGGACAAAT GAGAAATGAA TTCCCCTTCCACCGTTGCACT ACAGGTAGCT ACTGTGTATT ATGGACAAAT GAGAAATGAA TTCCCCTTCCACCGTTCCACCGTTCCACCGTTCCACCGTTCCACCGTTCCACCGTTCCACCGTTATTTTCC CTTCCGTTTCCACCGTTCCACCGTTCCACCGTTCCACCGTTCCACCGTTCCACCGTTATTTTCC CTTCCGTTTCCACCGTTCCACCACCACCACCACCACCACCACCACCACCACCACACA	
CLONE:HUMGSO4362 SEQUENCE DESCRIPTION: GATCAAAATT GAACCATTGT ACAGTTTGGN TTCTGTTTGC TTCAAAATAT GTA GGTTGATGAT TAATTTGCGA GACTAACTTT GAGAGTGTAA CANTTTTGAN GAA AATGTTTTGC AAATGAAGGG GCTTCACGGA ATGTTACANT GNTACTAATA TAA TTNNTNATGC AAATNGTTAA CACCAGCTAT TAAAAATATAT TTNNGTAAA SEQ ID NO:3706 SEQUENCE LENGTH:228 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4363 20 SEQUENCE DESCRIPTION: GATCGCTACC CACCTTCCTT CCATGGTTCC CACCCTCCAC GTTATTTTCC CTT* CGGTTGCACT ACAGGTAGCT ACTGTGTATT ATGGACAAAT GAGAAATGAA TTC*	
SEQUENCE DESCRIPTION: GATCAAAATT GAACCATTGT ACAGTTTGGN TTCTGTTTGC TTCAAAATAT GTA GGTTGATGAT TAATTTGCGA GACTAACTTT GAGAGTGTAA CANTTTTGAN GAA AATGTTTTGC AAATGAAGGG GCTTCACGGA ATGTTACANT GNTACTAATA TAA TTNNTNATGC AAATNGTTAA CACCAGCTAT TAAAATATAT TTNNGTAAA SEQ ID NO:3706 SEQUENCE LENGTH:228 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4363 SEQUENCE DESCRIPTION: GATCGCTACC CACCTTCCTT CCATGGTTCC CACCCTCCAC GTTATTTTCC CTTCCGGTTGCACT ACAGGTAGCT ACTGTGTATT ATGGACAAAT GAGAAATGAA TTCCCGGTTGCACT ACAGGTAGCT ACTGTGTATT ATGGACAAAT GAGAAATGAA TTCCCCTTCCGTTTGCACT ACAGGTAGCT ACTGTGTATT ATGGACAAAT GAGAAATGAA TTCCCCTTCCGTTTCATTTTCC CTTCCGGTTGCACT ACAGGTAGCT ACTGTGTATT ATGGACAAAT GAGAAATGAA TTCCCCTTCCACCTTCACCTTCACACCTTCCACCTTCCACCTTCCACCTTCCACCTTCCACCTTCCACCTTCCACCTTCCACCTTCACACTTTCCACCTTCACACACTTCACACACTTCACACACTTTCACACACACTTCACACACACTAC	
GATCAAAATT GAACCATTGT ACAGTTTGGN TTCTGTTTGC TTCAAAATAT GTA GGTTGATGAT TAATTTGCGA GACTAACTTT GAGAGTGTAA CANTTTTGAN GAA AATGTTTTGC AAATGAAGGG GCTTCACGGA ATGTTACANT GNTACTAATA TAA TTNNTNATGC AAATNGTTAA CACCAGCTAT TAAAATATAT TTNNGTAAA SEQ ID NO:3706 SEQUENCE LENGTH:228 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4363 SEQUENCE DESCRIPTION: GATCGCTACC CACCTTCCTT CCATGGTTCC CACCCTCCAC GTTATTTTCC CTTCCGGTTGCACT ACAGGTAGCT ACTGTGTATT ATGGACAAAT GAGAAATGAA TTCC	
GGTTGATGAT TAATTTGCGA GACTAACTTT GAGAGTGTAA CANTTTTGAN GAA AATGTTTTGC AAATGAAGGG GCTTCACGGA ATGTTACANT GNTACTAATA TAA TTNNTNATGC AAATNGTTAA CACCAGCTAT TAAAATATAT TTNNGTAAA SEQ ID NO:3706 SEQUENCE LENGTH:228 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS04363 SEQUENCE DESCRIPTION: GATCGCTACC CACCTTCCTT CCATGGTTCC CACCCTCCAC GTTATTTTCC CTTCCGGTTGCACT ACAGGTAGCT ACTGTGTATT ATGGACAAAT GAGAAATGAA TTCC	
AATGTTTTGC AAATGAAGGG GCTTCACGGA ATGTTACANT GNTACTAATA TAA TTNNTNATGC AAATNGTTAA CACCAGCTAT TAAAATATAT TTNNGTAAA SEQ ID NO:3706 SEQUENCE LENGTH:228 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4363 SEQUENCE DESCRIPTION: GATCGCTACC CACCTTCCTT CCATGGTTCC CACCCTCCAC GTTATTTTCC CTT' CGGTTGCACT ACAGGTAGCT ACTGTGTATT ATGGACAAAT GAGAAATGAA TTC'	
SEQ ID NO:3706 SEQUENCE LENGTH:228 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4363 20 SEQUENCE DESCRIPTION: GATCGCTACC CACCTTCCTT CCATGGTTCC CACCCTCCAC GTTATTTTCC CTT* CGGTTGCACT ACAGGTAGCT ACTGTGTATT ATGGACAAAT GAGAAATGAA TTC*	AACATTG 120
SEQ ID NO:3706 SEQUENCE LENGTH:228 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4363 20 SEQUENCE DESCRIPTION: GATCGCTACC CACCTTCCTT CCATGGTTCC CACCCTCCAC GTTATTTTCC CTT* CGGTTGCACT ACAGGTAGCT ACTGTGTATT ATGGACAAAT GAGAAATGAA TTC*	
SEQUENCE LENGTH:228 SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGS04363 20 SEQUENCE DESCRIPTION: GATCGCTACC CACCTTCCTT CCATGGTTCC CACCCTCCAC GTTATTTTCC CTT* CGGTTGCACT ACAGGTAGCT ACTGTGTATT ATGGACAAAT GAGAAATGAA TTC*	229
SEQUENCE TYPE:nucleic acid TOPOLOGY:linear CLONE:HUMGSO4363 20 SEQUENCE DESCRIPTION: GATCGCTACC CACCTTCCTT CCATGGTTCC CACCCTCCAC GTTATTTTCC CTT* CGGTTGCACT ACAGGTAGCT ACTGTGTATT ATGGACAAAT GAGAAATGAA TTC*	
TOPOLOGY:linear CLONE:HUMGSO4363 SEQUENCE DESCRIPTION: GATCGCTACC CACCTTCCTT CCATGGTTCC CACCCTCCAC GTTATTTTCC CTT CGGTTGCACT ACAGGTAGCT ACTGTGTATT ATGGACAAAT GAGAAATGAA TTC	
CLONE:HUMGSO4363 SEQUENCE DESCRIPTION: GATCGCTACC CACCTTCCTT CCATGGTTCC CACCCTCCAC GTTATTTTCC CTT CGGTTGCACT ACAGGTAGCT ACTGTGTATT ATGGACAAAT GAGAAATGAA TTC	
20 SEQUENCE DESCRIPTION: GATCGCTACC CACCTTCCTT CCATGGTTCC CACCCTCCAC GTTATTTTCC CTT CGGTTGCACT ACAGGTAGCT ACTGTGTATT ATGGACAAAT GAGAAATGAA TTC	
GATCGCTACC CACCTTCCTT CCATGGTTCC CACCCTCCAC GTTATTTTCC CTT CGGTTGCACT ACAGGTAGCT ACTGTGTATT ATGGACAAAT GAGAAATGAA TTC	
CGGTTGCACT ACAGGTAGCT ACTGTGTATT ATGGACAAAT GAGAAATGAA TTC	
	TCTGCAG 60
GGCTGTCCAT CTATTTTATT TCAAATAAGG AAAAGTGTAT TTGGATTTTG TGT	TTTTTCT 120
	AAATACA 180
TCTAGTGATG NCATTTTTTC AATGTTTTNA AAAACCGTGT ACAGTAAA	228
SEQ ID NO:3707	
SEQUENCE LENGTH: 228	
SEQUENCE TYPE:nucleic acid	
30 TOPOLOGY: linear	
CLONE: HUMGS04364	
SEQUENCE DESCRIPTION:	
GATCCTCATC CAATTGGTGT TTTTCAGAAG TNTTCCAATA TTATGAATTC TGTC	STTGTGG 60
AGAAAAGCAA CCATGCATTT ACTGGTCAAT GCCTTCTTGT ATATGTAATT CAAT	
ACTITIAATA TCCTCACCTT ATCTAATCTT TGATTTTTGT CATGTAATTT ATTO	
TAAGGTTACT TTTTGTTATA CAAAATAAAA GCTGATATCC AAGGCAAA	228
SEQ ID NO:3708	
40 SEQUENCE LENGTH: 226	
SEQUENCE TYPE: nucleic acid	
TOPOLOGY:linear	
CLONE: HUMGS04365	
SEQUENCE DESCRIPTION:	
GATCTATGAA AATNTGTTTT GACCAAACTT AGTATTAGGC AGGTACACAG ATAA	GATTTT 60
CCATTCTNAA CATTCTCACT GTAATGCACG ACATTTGANG CACCTGNATG TGCT	TATCAAT 120
CAGGTGGGAA ATTTAGCATT ATATATTGGA AGCATTGAGA AACATTGGTC TNTC	ATTTCT 180
ATTTNNTTTT NCCCCTCCTN TCCTCCTCCT GCCCCACANT ATATNN	226
SEQ ID NO:3709	

5	SEQUENCE LENGTH: 224 SEQUENCE TYPE: nucleic TOPOLOGY: linear CLONE: HUMGS04366 SEQUENCE DESCRIPTION:					
	GATCCTGAGA GCTTTGAGAG					60
	TTACAGAACT AGACCAGAAG					
10	TTCTAACTTC ACTGGTTCCT				GAGACTTGTT	
	TTCTTCTTCT AAGACAGTGG	TTTTGTTTTT	TGGGTTTTTT	TAAA		224
15	SEQ ID NO:3710 SEQUENCE LENGTH:223 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04368	acid				
	SEQUENCE DESCRIPTION:					
20	GATCTGGGCA GAATCCGCCA					60
	GAAGCACCTG GACTTCTAGG	GATTCCTCCT	TAGTCGCTGC	ATGCAGAATT	CTATGACACT	120
	CTAATNATGA TTGCTAATAG				NCCTNCACTC	180
	CTTNAAAAAC ACAAGGATTA	TAAAATGGGT	GCCNGCATTT	NTN		223
25	SEQ ID NO:3711 SEQUENCE LENGTH:221 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4369	acid				
	SEQUENCE DESCRIPTION:					
	GATCGTATTC NTNATAAACT	ATTACCAGTA	CAGTAGCTAG	TAGATATNNT	GTGACTGCCT	60
	CATTGTTTAT CTTGCTGCTT					
	GTGGAAATGA TTTCTGTGTT					
35	GTTTTAGTTG ACATCATTCT	CAACTNTTAG	AAATACTGTT	N		221
40	SEQ ID NO:3712 SEQUENCE LENGTH:219 SEQUENCE TYPE:nucleic					
~ 0	TOPOLOGY:linear CLONE:HUMGS04370 SEQUENCE DESCRIPTION:	acid				
45	GATCAGTTTG CGAGTTTTGA	TGAGNTTTGT	AAGGTTTNTN	TTTTACAAAC	TATGAATCAG	60
	CAAATNTTTA AGATTGTACC	ACATAGCAAA	CATACAGCTG	TTGAAAAATA	ATGTATATAA	120
	AATGCATATA ATAAATATTA	AATNGTGTAC	CTGTATGTTA	CTGTTGGCTA	CATCATTTTG	180
	TGTTGAATAA TAAAGTGCAA	TACNNNCCTT	CTCCATAAA			219
50						
-	SEQ ID NO:3713					

	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4371	acid				
5	SEQUENCE DESCRIPTION:					
	GATCATTCTG TATATACATA					60
	TTTAAGGGAT ACCTAATTTC					
	TCTGATATGG GGTGTNTTTA			ANTCATGCAG	ATTTCCAATC	180
10	ANTGTATTGC NCATTTCCTG	ACAAAANGGG	NAAN			214
	SEQ ID NO:3714	•				
	SEQUENCE LENGTH: 215					
15	SEQUENCE TYPE: nucleic	acid				
15	TOPOLOGY: linear					
	CLONE: HUNGS04372					
	SEQUENCE DESCRIPTION:					
	GATCCAAAAN ATAAAACTTG					60
20	TGTTTAAAAA AATGATAGAA	ATACATTGTT	GATGGGATAT	GAGTTAAGTT	TATTTTCTAC	120
•	AAACCTGTAA TTGATGACGG			TTCTGACNAG	TAATCTGTAT	180
	GTGGGGGGAG GGGATAATAA	ATATTTCTAA	CCAAA			215
25	SEQ ID NO:3715					
	SEQUENCE LENGTH: 335					
	SEQUENCE TYPE: nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS04373					
30	SEQUENCE DESCRIPTION:	•				
	GATCAAAAGT GAACACCCTG					60
	GTGGTCTGAG CAGTCAGCCA					
	GGAGAAATAT GAAAAGGATA	TTGCTGCATA	TCGTGCCAAG	GGCAAAANTG	AAGCÁGGAAA	180
35	GAAGGGCCCT GGCAGGCCAA					
	GGAGGAGGAA GANGNAGATG	AAGATGAGGA	GGAAGAGGNT	GAAGATGAAG	AATAATTGGC	300
	TATCCTTTAA ATGATGCGTG	TGGAATGTGT	GTACN			335
40	SEQ ID NO:3716					
40	SEQUENCE LENGTH: 211					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	-CLONE: HUMGS04374					
45	SEQUENCE DESCRIPTION:					
	GATCAAATGT GCTGCAGCTT					60
	TCAATTATTA TTTTTTCAAT					
	GCCTTTTTT TTGGAATATT			ATATGGGATA	ATGACCTGTT	
50 .	TATATTAAAA TTCTGATTAA	ATTATCTGAA	A			211

SEQ ID NO:3717

	SEQUENCE LENGTH: 390					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
5	CLONE: HUMGS04375					
	SEQUENCE DESCRIPTION:					
	GATCAAGAAT TCTACCATCC	CTTGGGTCTT	TGTGTATAAA	CAATGTTAAA	TACCAGGTAG	60
	ACTCAGTCTT TAAGATATTA					
	AACTTTCCTA TAAGANTATT					
10	GGNTTCACTA GACAAACAGC					
	CTATCAGTAG CTGTTTTTAA					
	CACTTTTTGA GCCCTCATNC					
	GTTAAAAGGC CTATNATTGG			UAUUUATACC	MITITIOGII	
15	GITAAAAGGC CTATRATIGG	ITAAAGGGCN				390
	SEQ ID NO:3718					
	SEQUENCE LENGTH: 235					
			•			
	SEQUENCE TYPE: nucleic	acid				
20	TOPOLOGY:linear					
	CLONE: HUMGS04377					
	SEQUENCE DESCRIPTION:		B000110100			
	GATCTTAGAG CTGAGGAATT					60
25	AGGTTGTGCT GTGGACCCAA					
	GGGGGGATGC TTTCGGGGTG					
	TCTATCCNGG GNCCCATTGG	TTNAATTTAA	CAGGCCAGNA	AAGANGGTTG	NTNNN	235
	CEO ID NO. 2010					
30	SEQ ID NO:3719					
30	SEQUENCE LENGTH: 209					
	SEQUENCE TYPE:nucleic	acia				
	TOPOLOGY: linear			•		
	CLONE: HUMGS04378					
35	SEQUENCE DESCRIPTION:	maaaaaa	#60000mama		G. MM. G. G. G. M.	~~
	GATCTCCTGA GCTCAGGCAA					60
	GTGAGCCACC ATGGGTGGCA					
	NNAAAAATTC AAATTAAAAC		AATGTCCCNT	TTATTAATGA	AGTATTTIGT	
40	CANATGGATG TTTTAAAGCT	GTGTATGTN				209
	270 ID NO 2700					
	SEQ ID NO: 3720					
	SEQUENCE LENGTH: 209	. ,				
•	SEQUENCE TYPE:nucleic	acid				
45	TOPOLOGY: linear					
	CLONE: HUMGS04379					
	SEQUENCE DESCRIPTION:					
	GATCTAGGAT TACTCTGGAC	••••				60
50	TGATTTNATT TNCTCATTTC				_	
•	GGTAGCAGAT GAGAAATAAT		TCAGAAATAT	TTNCCAAACA	CTTTCCTTNA	
	TTTTTCCTTC TGANTAAATA	GANANCCNN				209

	SEQ ID NO: 3721					
	SEQUENCE LENGTH: 208					
	SEQUENCE TYPE:nucleic	acid				
5	TOPOLOGY: linear	3013				
3	CLONE: HUNGS 04380					
	SEQUENCE DESCRIPTION:					
	•		0000010150	0.1.00.10000		
	GATCCAAGGA ACGTTTGGGG					
10	GAGCAAAANC TGAGGTTCCT					
	CTGCCTGAGT TTCTAGCCTG		CTACAAATTT	CAAGCTTGCT	AGCCCTCACA	180
	NTCACATGAA TAAATTCCTT	AAAATAAA				208
	CEO ID NO. 2722					
15	SEQ ID NO:3722		•			
15	SEQUENCE LENGTH: 208					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS04381					
20	SEQUENCE DESCRIPTION:					
	GATCCTTTCC CCATGGACAG					
	ATNTAATCAC TCTGGGGGTG					
	ATTTCNTTAC ACATATTTNT		CAGCATGTNA	GATATATNAT	NTAATCTAAT	180
25	AAAAGATACA AACTTATGGG	CACACAAA				208
25						
	SEQ ID NO:3723					
	SEQUENCE LENGTH: 207					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY: linear					
	CLONE: HUMGS 04382					
	SEQUENCE DESCRIPTION:					
•	GATCACCCTG GAGCTGTGGC	TTCCCCGAGC	AGCTGAGAGT	GAAAGGAGGC	AGTTCCTTTA	60
35	CTGTGAGCTC TCACGGCACG	GTGCTCACGC	CCCACACAGG	GGCTGCCTTC	ACTCGGCTTC	120
33	AGCAGCNGTT GACTTTTAAA	TCATAAAAAG	CCGCTCTATA	TACAGTTTAC	TCTGTTGCTA	180
	GAAGGCAGTG GAACATAGGT	ATTTAAA			•	207
	and the no can-					
	SEQ ID NO: 3724					
40	SEQUENCE LENGTH: 207					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear					
	CLONE: HUMGS 04383					
45	SEQUENCE DESCRIPTION:					
	GATCCACGTA CAGTTTGGAT					60
	AGACTGTCAT GGTTGGCATT					
	TTTAATTTGT ATGGTTCTTG		GCCACTAGGG	ACTATGTATT	CCTGATTCCA	180
	CCATGACAGC TACAGTAAAA	CAGTAAA				207

	SEQ ID NO:3725					
	SEQUENCE LENGTH: 204	.,				
5	SEQUENCE TYPE:nucleic TOPOLOGY:linear	acid				
-	CLONE: HUMGS04384					
	SEQUENCE DESCRIPTION:					
			1001100	T0000000000	00000000	
	GATCAAGCAG GCACTTCAAG CTAGTGTTCA AGCATGGCTT					
10	TTCCGGGTCT CAAGAAGACA					
	CAAAAAGCTN AAAAAAAAAA		NCCICCIAA	GCCAAGGAGA	GUANTAAAGA	
	CAAAAAUCIN AAAAAAAAA	UAAA				204
	SEQ ID NO:3726					
15	SEQUENCE LENGTH: 202					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY: linear	acru				
	CLONE: HUNGS04385					
20	SEQUENCE DESCRIPTION:					
	GATCTCGAAC TGTACCAAAA		CTAACAAACA	GAACCACATG	GAACTTTCAA	60
	ACTGAAAAAA AAATTTGTCA					
	AATTGAATAT ACTCCTTTGA					
	TTAAAAAAA ANTATGGGCA					202
25						
	SEQ ID NO:3727					
	SEQUENCE LENGTH: 219					
	SEQUENCE TYPE:nucleic	acid				
30	TOPOLOGY:linear	•				
	CLONE: HUMGS04386					
	SEQUENCE DESCRIPTION:					
	GATCCAGAAG GCTTACGAGT	ATTTTATTAT	CTTGTCCAGG	ACCTGAAGTG	TTTGGTCTTC	60
35	AGTCTTATTG GATTACACTT	CAAGATTAAA	CCAATCTAGA	CTGAATATTG	GTGTGGACAT	120
	GGGGGGTGGG TGGGAGTAGA	AAATTTTGTG	TATATCAGGG	CAGTATTTT	TTATGAACTA	180
	TAAATGATTG TCTTTAATAA	ATATGTGATA	AAATCCAAA			219
40	SEQ ID NO:3728					
70	SEQUENCE LENGTH: 200					
	SEQUENCE TYPE:nucleic	acid				
	TOPOLOGY:linear					
	CLONE: HUMGS04387					
45	SEQUENCE DESCRIPTION:			mm		
	GATCATATTT AGAGGATATA					
	TNTTNAGTCA ACTGTACAAA					
	TAATNTTCAT AATATATAAT		AATCAAAAGT	TTAATTTTAT	TAAAAAAT	
50	AAAAAATGCT TACTTGGAAA					200

SEQ ID NO:3729

	SEQUENCE LENGTH: 198	
	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
5	CLONE: HUMGS04388	
	SEQUENCE DESCRIPTION:	
	GATCAGCCGA ACTCTAGGGA CTTGGTGTTG CTTGGAAGGC ATCCATACCT GCATTTTGCA 6	0
	TTCTTCGTAT GTAATCATAT TGCCAAAGAC AAACTATTTC ATCATTTATT GTAAATAACA 12	0
10	CTTTTCCCCA GACCTACCAT AAAGTTTCTG TGATGTATTG TCTTCCAGTT GCAATAAAAA 18	0
	TTACTGAGTT GCATCAAA 19	8
	SEQ ID NO:3730	
	SEQUENCE LENGTH: 197	
15	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUMGS04389	
	SEQUENCE DESCRIPTION:	
20	GATCTAAGAT TAATTCCTCA ACTGTTTTGC ACTCAACAAA GACATACCTC TGAGTTGGCA 6	0
	ACCAGCAGGG TGGATAACGG GCCAGTGGTG ATAAAATCAA AGAATAGGTA ATGAAACAAT 12	0
	CATCCAGTTA ACAATCAGCA AGGTTCTTCA GAGCCTAATT AATGTTTAAT TCTAAATAAA 18	0
	TTGCAACAAT TAAGAAA 19	7
25		
	SEQ ID NO:3731	
	SEQUENCE LENGTH: 197	
	SEQUENCE TYPE:nucleic acid	
30	TOPOLOGY: linear	
30	CLONE: HUNGSO4390	
	SEQUENCE DESCRIPTION:	^
	GATCCAAAAG TTTAAATTAG TGCATACATC ATGTCATTTC ACCTCCTGTT CCTAGGAACT 6	-
	CTCCATTCCC AAGCATTGCC AGTGTTTTCC AGATAATCTT AGCTGTTGTC TTGTGCTGTG 12 GAAATGGAAG AAACCATCTT CACAGACTGT AGGAGAATTC AACATATAAT TTCTTAATAA 18	
. 35	ATACTGTTTC TTTTAAA 19	
	· · · · · · · · · · · · · · · · · · ·	•
	SEQ ID NO:3732	
	SEQUENCE LENGTH: 195	
40	SEQUENCE TYPE:nucleic acid	
	TOPOLOGY:linear	
	CLONE: HUMGS04391	
	SEQUENCE DESCRIPTION:	
45	GATCTAAGGG AGTCCACTAT CTGTGCAATT GTATTTGGNT TTTTTTTGCA CTGTTTCAAT 6	0
	GCTGGTAATT GAAACCATTT TAATATATTT GGTTGTATTC ACTTTATATG TCCTTCCAAA 12	
	AATNTTGTTG TGTACAAACC ATGNNNNNGA ATGTTGGCTT CCAAGTTTTT AAATAAGAAA 18	
	CTTTTTGTAT TTAAA 19	5
50	SEO ID NO. 2722	
	SEQ ID NO:3733	
	SEQUENCE LENGTH: 195	

5	SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4392 SEQUENCE DESCRIPTION:	acid				
	GATCCACGGA GCAGAGGTCA CCCAGGATGC TTGTCTCTCA					
10	AAAACCGAAA TCTACAATTG ATTGTGAAAC ATAAA	TNATAAACAC	ATTTAAATGT	GCGTAGAATC	AGCCATACAA	180 195
15	SEQ ID NO:3734 SEQUENCE LENGTH:195 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGS04393 SEQUENCE DESCRIPTION:	acid				
20	GATCAACTCC CCCAAGGCCC CACACACAGC CTGGACATCA GCCAGAGCCA AGAGCCTCTN CTTAAGAAAA CCAAA	AGTGGTGAAG	TNAGGCCAGG	GNCTTCCAGC	TGCTCTTGGG	
	SEQ ID NO:3735 SEQUENCE LENGTH:193 SEQUENCE TYPE:nucleic TOPOLOGY:linear CLONE:HUMGSO4394	acid			·	
36	SEQUENCE DESCRIPTION: GATCCTGTGC CCTAGGAGCA CACCAAGAGA GACAGAGTCG ACCAACTTCC CCAAAAGGCC TGNCCCAAGN AAA	TGAGCCAGGC	TCGCCTCATT	CCTCGTCTTG	GGAGAACCGG	
	SEQ ID NO:3736 SEQUENCE LENGTH:190 SEQUENCE TYPE:nucleic	acid				
40	TOPOLOGY:linear CLONE:HUMGSO4395 SEQUENCE DESCRIPTION: GATCTGGCCC TCCCCAGAAC	& & T C T CC & TT	TCACGCACAC	AGCA ACCACA	ACTT	60
45	TGTGACTAAA AATGCATCTG ACTATCCTAT TAGGATACCA TAAACATAAA	GCTACTTTTT	CATGTATGTA	TGAGACAGAA	ACTAATCCTT	120
50	SEQ ID NO:3737 SEQUENCE LENGTH:190 SEQUENCE TYPE:pueloio	aaid				

5	TOPOLOGY:linear CLONE:HUMGS04396 SEQUENCE DESCRIPTION: GATCATAAGT AGTGGAGGAT TT ATTNACCATG TNGAATTAAT TT TTTNGGCAGC CATTGTTTAC GT TATGAAAGCN	TACCATATT GAATTACACT	TATGINCACC AA	GTNAGGCA 120
10	SEQ ID NO:3738 SEQUENCE LENGTH:187 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear	cid		
20	CLONE: HUNGSO4397 SEQUENCE DESCRIPTION: GATCCTCCGC ATCCCGTGCG AGG GCTGACCCGC ATCGGGCTGG AGG CAGCTTGGTG TGCCGGAAAC GCC	GACGTCACT GCGCTACGCA	NNNNNGCTCA TCA	ACAGCTGC 120
25	SEQ ID NO:3739 SEQUENCE LENGTH:187 SEQUENCE TYPE:nucleic ac: TOPOLOGY:linear CLONE:HUMGSO4398	ei d		
30	SEQUENCE DESCRIPTION: GATCTGGCCC TAAACTTGAA ATA ACCTGGGGAG GAGACTGGTG CTA TGGTGCAAGG TCTACCCATA CCC AGACAAA	TAACTAAGC CAGTAAGTAA	GTCCACTCTT TG	GNTGCAGC 120
35				
40	SEQ ID NO:3740 SEQUENCE LENGTH:186 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear CLONE:HUMGSO4399	eid		
45	SEQUENCE DESCRIPTION: GATCAAGTTC TGCGNCTGAN GAG CTCATTCCTC ACAACGGCCT TTG CTAATTTGTT TATCTNTNGT GTA	CCAGGCCC NGTTTTTCCC	TTCCGGCAGC CT	CTTGGCCT 120
50	SEQ ID NO:3741 SEQUENCE LENGTH:185 SEQUENCE TYPE:nucleic ac TOPOLOGY:linear	eid		

5	CLONE:HUMGS04400 SEQUENCE DESCRIPTION: GATCTGCCTT CCTGCTGAAA GGGTGGAGTA GGGAGATGCG GGCAGTCGTG AGGCTGAGAT CCAAA	GGGAGCAGGG	TGGGCAGGAA	TACTGTTATC	TATGTNACGG	
10	SEQ ID NO:3742 SEQUENCE LENGTH:182 SEQUENCE TYPE:nucleic : TOPOLOGY:linear CLONE:HUMGSO4401	acid				
20	SEQUENCE DESCRIPTION: GATCCCATCT NTACAANAAA (CTAGCTACTC AGGAGGCTAA (TGAGCTAAGA ACGTGCCAGT A	GGTAGGAGGA	TTGCCTGAGC	CCAGGAGTTC	AAGGCTGCAG	
25	SEQ ID NO:3743 SEQUENCE LENGTH:180 SEQUENCE TYPE:nucleic at TOPOLOGY:linear CLONE:HUMGSO4402 SEQUENCE DESCRIPTION:	acid				
30	GATCAAAGTG GTAAAGACAA ' TNTACTTAAC ATTTTGGGAA (TTGCTAATGT AATCGGTTTT)	GTAACTGCCT	CTGACTTCAA	CTCAAGANAA	CACTTTTTTG	
35	SEQ ID NO:3744 SEQUENCE LENGTH:179 SEQUENCE TYPE:nucleic at TOPOLOGY:linear CLONE:HUMGSO4403	acid				
40	SEQUENCE DESCRIPTION: GATCTNCGGA ATGATGAGCA AACCTGAAGA AGGCAGAGAT CAGCAAAGAC CAAAGATGGA	ATGGCAAACA	GGATTNGCGC	TTTTGGNNAC	ATGGAGTGTT	60 120 179
45	SEQ ID NO:3745 SEQUENCE LENGTH:178 SEQUENCE TYPE:nucleic	acid				
50	CLONE: HUNGSO4404 SEQUENCE DESCRIPTION: GATCTGAGTG CCTCAAGATG	GTTTTCAAA	AAATTTTTT	AAAGAAAATA	ATTGTATACG	60